MARTIN MARIETTA ENERGY SYSTEMS LIBRARIES

3 4456 0250184 3

ORNL-5000, Part 2

Cy 120

# A Tabulation of Dose Equivalent per Microcurie-Day for Source and Target Organs of an Adult for Various Radionuclides

W. S. Snyder
Mary R. Ford
G. G. Warner
Sarah B. Watson

TIONAL LABORATORY
ESEARCH LIBRARY
NT COLLECTION
LOAN COPY
ER TO ANOTHER PERSON
meone else to see this
in name with document
will arrange a loan.

OAK RIDGE NATIONAL LABORATORY
OPERATED BY UNION CARBIDE CORPORATION • FOR THE U.S. ATOMIC ENERGY COMMISSION

Printed in the United States of America. Available from
National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road, Springfield, Virginia 22161
Price: Printed Copy $10.60; Microfiche $2.25

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the Energy Research and Development Administration, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

ORNL-5000, Part 2
UC-41 - Health and Safety

Contract No. W-7405-eng-26

HEALTH PHYSICS DIVISION

# A TABULATION OF DOSE EQUIVALENT PER MICROCURIE-DAY FOR SOURCE AND TARGET ORGANS OF AN ADULT FOR VARIOUS RADIONUCLIDES

W. S. Snyder, Mary R. Ford, G. G. Warner, and Sarah B. Watson

NOVEMBER 1975

OAK RIDGE NATIONAL LABORATORY
Oak Ridge, Tennessee 37830
operated by
UNION CARBIDE CORPORATION
for the
U.S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

MARTIN MARIETTA ENERGY SYSTEMS LIBRARIES
3 4456 0250184 3

# PREFACE

This volume of the ORNL-5000 series contains tables of S values for 100 radionuclides. These are indicated in the list at the end of the volume. Included are several radionuclides where the parent has a daughter radionuclide of physical half-life less than five minutes. In such cases separate S tables are given for the parent and for the daughter as well as a composite table which contains S values for the parent plus S values for the daughter weighted according to the percent decay via the daughter. This policy was announced in ORNL-5000 (ORNL-5000, 1974) but no instance of its use arose in the list of radionuclides included there.

# CONTENTS

Page

Preface. . . . . iii

Introduction . . . . . 1

List of Abbreviations Used in the Table . . . . . 7

Table 1. Average Dose Equivalent per Unit
Accumulated Activity . . . . . 9

# A TABULATION OF DOSE EQUIVALENT PER MICROCURIE-DAY FOR SOURCE AND TARGET ORGANS OF AN ADULT FOR VARIOUS RADIONUCLIDES*

PART 2

W. S. Snyder† Mary R. Ford G. G. Warner** Sarah B. Watson**

## INTRODUCTION

In addition to the S tables for 100 radionuclides not given previously, this volume contains some composite tables which represent the values of S for a parent plus a daughter. Such tables are given only when the radioactive half-life of the daughter is less than five minutes. The composite table is simply the ordinary S table of the parent plus the S table of the daughter, except in cases where branching decay is involved. In these cases, the contribution from the daughter is weighted by the fraction, f, of the decays proceeding via the daughter. The composite table should be used only when the user is willing to assume that the accumulated activity (microcurie-days) of the daughter in an organ during the time period in question is the same fraction, f, of the accumulated activity mentioned above, of the parent. The composite S table always follows the S table of the parent radionuclide.

There has been one change in the computer program producing these S tables which should be mentioned.

---

* Research sponsored by the Energy Research and Development Administration under contract with Union Carbide Corporation.

** Computer Sciences Division

† Consultant

In ORNL-5000, Part 1, the dose to red marrow from one μCi-day of a beta emitter in the red marrow is given as

$$S(\text{red} \leftarrow \text{red}) = 51.15 \times 1 \times \sum f_i \overline{E}_i \Phi_i(\text{red} \leftarrow \text{red}) \qquad (1)$$

where $f$ and $\overline{E}$ are the yield and average energy of the beta particle respectively. The specific absorbed fraction for beta particles is given by

$$\Phi_i(\text{red} \leftarrow \text{red}) = \left[1 - 1.075\ R_i(\text{red} \leftarrow \text{canc})\right] \Big/ M_{\text{red}}, \qquad (2)$$

and $R_i$ is the ratio of dose in red marrow to dose in cancellous bone assuming complete absorption of energy. (See Equation 8, page 11, Part 1). As is pointed out in Part 1 in the Section on the "Additivity of S," the use of these formulas in adding or subtracting doses to various organs may occasionally lead to negative answers. For example, in working with a specific model the authors were led to consider the case for a radionuclide which deposited in the soft tissues but not in the skeleton. Under such circumstances one includes the proper number of μCi-days in the skeleton to supplement the μCi-days in the soft tissue and give essentially a source distributed uniformly in the total body, and then one subtracts the same source strength in the skeleton or puts in a negative source of the same magnitude. This procedure has produced a negative dose and indeed it is found that the negative dose is some 7% of the positive dose. A check indicates that the negative value is due to the fact that the different estimates of dose when the skeleton is considered part of the total body and when it is considered as composed of

cancellous and cortical bone and of red and yellow marrow indeed do show a difference of this order. One solution is simply to use zero as being the best estimate for the dose from beta particles, and this is entirely defensible and appropriate. It is possible to analyze the result and discover that it arises because the estimate of $\Phi$ as given by Equation (2) above is too high. The value of $\Phi$ would be $1/M_{red}$ if all the beta energy was absorbed, but there is some loss of energy to the cancellous bone since the cancellous bone irradiates the red marrow. In fact, by reciprocity, the dose to cancellous bone per μCi-day in the red marrow should equal the dose to the red marrow per μCi-day in the cancellous bone. Indeed this is one derivation of the formula. Now cortical bone also irradiates the red marrow although the contribution is much smaller than for cancellous bone and had been deliberately neglected in ORNL-5000, Part 1. Thus the amended formula for $\Phi_i(\text{red} \leftarrow \text{red})$ is

$$\Phi_i(\text{red} \leftarrow \text{red}) = \Big[1 - 1.075\, R_i(\text{red} \leftarrow \text{canc}) - 1.075\, R_i(\text{red} \leftarrow \text{cort})\Big] \Big/ M_{red}. \tag{3}$$

This amended formula has been found to produce a positive answer in this case. Formula (3) may be established by considering an argument analagous to that used in ORNL-5000, Part 1, in obtaining (2) and thus avoid appealing to reciprocity. The result is the same.

It should not be expected that this new formulation will resolve all difficulties of this nature in the future. The basic fact remains that the estimates of $\Phi$ being used are only estimates, subject to statistical and even some systematic uncertainty. For example, there

must be some energy originating in red marrow which deposits in yellow marrow, but there is no estimate available based on Spiers' work (Spiers, 1968). Study of the masses given in Table A-2 of Appendix I, Part 1, indicates the energy depositing in yellow marrow may be at most 14% of the energy absorbed by the red marrow in some cases. For the present we are not attempting to correct for this on the basis of the crude estimates now available, but the correction to $\Phi_i$(red←red), although small in most cases, is based on the work of Spiers and consequently is believed to be worth making at this time.

When there is no need to subtract doses to various organs no negative values can arise, but this does not mean that the positive values are highly accurate. In fact, the example cited which arose from an estimate which was in error by less than 10% could arise in other cases since it is seldom that the estimates are this accurate. For example, the estimate of S from a source organ Y to the total body, S(TB ← Y), may be low due to statistical uncertainty while the estimate of S(X ← Y) for a particular organ, X, may chance to be high, and thus the estimate of S for the total body minus this organ may be negative. This negative estimate of S(TB-X ← Y) should be a small fraction of the value of S(X ← Y) for the organ. It may be set equal to zero since it arises only through uncertainty of the estimates.

## REFERENCES

Snyder, W. S., Mary R. Ford, G. G. Warner, Sarah B. Watson, "A Tabulation of Dose Equivalent per Microcurie-Day for Source and Target Organs of an Adult for Various Radionuclides," ORNL-5000 (1974).

Spiers, F. W., Radioisotopes in the Human Body: Physical and Biological Aspects, Academic Press, New York, 1968.

## ABBREVIATIONS USED IN THE TABLES

| | |
|---|---|
| BLAD CONT | Bladder content |
| BLAD WALL | Bladder wall |
| BONE | Bone |
| CAN BONE | Cancellous bone |
| COR BONE | Cortical bone |
| GI TRACT | Gastrointestinal tract |
| LLI CONT | Content of lower large intestine |
| LLI WALL | Wall of lower large intestine |
| OTHER TISSUE | Other tissue |
| RESP LYM NODES | Respiratory lymph nodes |
| R MARROW | Red marrow |
| S CONT | Stomach content |
| SI + CONT | Small intestine plus contents |
| SKELETON | Skeleton |
| S WALL | Stomach wall |
| T BODY | Total body |
| T E CL | Total endosteal cells |
| TR | Radioactive half-life |
| ULI CONT | Content of upper large intestine |
| ULI WALL | Wall of upper large intestine |
| Y MARROW | Yellow marrow |
| a | Estimated by buildup factor |
| b | Extrapolated value |
| c | Calculated by difference |
| d | Adjustment on density or composition |

Table 1. Average Dose Equivalent per Unit Accumulated Activity

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 14-SILICON-31 (TR=2.620E 00 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 6.48E-05 | 3.82E-08 | 4.29E-07 | 1.72E-07 | 1.72E-07 | 7.26E-08 | 1.72E-06 | 6.61E-07 | 3.07E-07 | 3.07E-07 | 2.20E-07 |
| | B | 2.16E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.16E 00 | 3.82E-08 | 4.29E-07 | 1.72E-07 | 1.72E-07 | 7.26E-08 | 1.72E-06 | 6.61E-07 | 3.07E-07 | 3.07E-07 | 2.20E-07 |
| BLAD WALL | G | 3.88E-08 | 9.74E-06 | 7.09E-08 | 4.05E-07 | 2.66E-07 | 8.35E-07 | 6.92E-08 | 3.30E-08 | 1.46E-08 | 1.46E-08 | 2.53E-07 |
| | B | 0.0 | 7.55E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.88E-08 | 7.55E-02 | 7.09E-08 | 4.05E-07 | 2.66E-07 | 8.35E-07 | 6.92E-08 | 3.30E-08 | 1.46E-08 | 1.46E-08 | 2.53E-07 |
| GI TRACT S WALL | G | 4.03E-07 | 7.09E-08 | 7.09E-06 | 5.04E-07 | 4.75E-07 | 2.20E-07 | 4.31E-07 | 2.82E-07 | 2.84E-07 | 2.84E-07 | 2.04E-07 |
| | B | 0.0 | 0.0 | 6.04E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.03E-07 | 7.09E-08 | 6.04E-02 | 5.04E-07 | 4.75E-07 | 2.20E-07 | 4.31E-07 | 2.82E-07 | 2.84E-07 | 2.84E-07 | 2.04E-07 |
| SI+CONT | G | 1.50E-07 | 3.85E-07 | 3.52E-07 | 4.23E-06 | 2.17E-06 | 1.24E-06 | 4.07E-07 | 2.33E-07 | 4.82E-08 | 4.82E-08 | 2.21E-07 |
| | B | 0.0 | 0.0 | 0.0 | 3.77E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.50E-07 | 3.85E-07 | 3.52E-07 | 3.77E-02 | 2.17E-06 | 1.24E-06 | 4.07E-07 | 2.33E-07 | 4.82E-08 | 4.82E-08 | 2.21E-07 |
| ULI WALL | G | 1.50E-07 | 2.80E-07 | 4.88E-07 | 3.15E-06 | 5.97E-06 | 5.95E-07 | 4.19E-07 | 3.22E-07 | 6.45E-08 | 6.45E-08 | 2.34E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 6.86E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.50E-07 | 2.80E-07 | 4.88E-07 | 3.15E-06 | 6.86E-02 | 5.95E-07 | 4.19E-07 | 3.22E-07 | 6.45E-08 | 6.45E-08 | 2.34E-07 |
| LLI WALL | G | 4.87E-08 | 9.69E-07 | 2.06E-07 | 9.56E-07 | 4.39E-07 | 7.12E-06 | 1.43E-07 | 4.92E-08 | 1.19E-08 | 1.19E-08 | 2.42E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.87E-08 | 9.69E-07 | 2.06E-07 | 9.56E-07 | 4.39E-07 | 1.12E-01 | 1.43E-07 | 4.92E-08 | 1.19E-08 | 1.19E-08 | 2.42E-07 |
| KIDNEYS | G | 1.50E-06 | 6.59E-08 | 4.63E-07 | 4.28E-07 | 4.08E-07 | 1.38E-07 | 1.00E-05 | 5.28E-07 | 1.56E-07 | 1.56E-07 | 2.08E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.74E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.50E-06 | 6.59E-08 | 4.63E-07 | 4.28E-07 | 4.08E-07 | 1.38E-07 | 9.74E-02 | 5.28E-07 | 1.56E-07 | 1.56E-07 | 2.08E-07 |
| LIVER | G | 6.70E-07 | 4.49E-08 | 2.84E-07 | 2.67E-07 | 3.58E-07 | 6.39E-08 | 5.39E-07 | 3.52E-06 | 3.38E-07 | 3.38E-07 | 1.62E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.68E-02 | 0.0 | 0.0 | 0.0 |
| | T | 6.70E-07 | 4.49E-08 | 2.84E-07 | 2.67E-07 | 3.58E-07 | 6.39E-08 | 5.39E-07 | 1.68E-02 | 3.38E-07 | 3.38E-07 | 1.62E-07 |
| LUNGS | G | 3.44E-07 | 1.35E-08 | 2.55E-07 | 5.06E-08 | 6.41E-08 | 2.50E-08 | 1.42E-07 | 3.55E-07 | 2.01E-06 | 2.01E-06 | 1.90E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.02E-02 | 3.02E-02 | 0.0 |
| | T | 3.44E-07 | 1.35E-08 | 2.55E-07 | 5.06E-08 | 6.41E-08 | 2.50E-08 | 1.42E-07 | 3.55E-07 | 3.02E-02 | 3.02E-02 | 1.90E-07 |
| RESP LYM NODE | G | 3.44E-07 | 1.35E-08 | 2.55E-07 | 5.06E-08 | 6.41E-08 | 2.50E-08 | 1.42E-07 | 3.55E-07 | 2.01E-06 | 2.01E-06 | 1.90E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.02E-02 | 2.01E 00 | 0.0 |
| | T | 3.44E-07 | 1.35E-08 | 2.55E-07 | 5.06E-08 | 6.41E-08 | 2.50E-08 | 1.42E-07 | 3.55E-07 | 3.02E-02 | 2.01E 00 | 1.90E-07 |
| MUSCLE* | G | 2.20E-07 | 2.53E-07 | 2.04E-07 | 2.21E-07 | 2.12E-07 | 2.42E-07 | 2.08E-07 | 1.62E-07 | 1.90E-07 | 1.90E-07 | 2.19E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08E-03 |
| | T | 2.20E-07 | 2.53E-07 | 2.04E-07 | 2.21E-07 | 2.12E-07 | 2.42E-07 | 2.08E-07 | 1.62E-07 | 1.90E-07 | 1.90E-07 | 1.08E-03 |
| OVARIES | G | 4.44E-08 | 8.51E-07 | 1.81E-07 | 1.28E-06 | 9.42E-07 | 2.38E-06 | 2.08E-07 | 1.37E-07 | 2.64E-08 | 2.64E-08 | 2.81E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.44E-08 | 8.51E-07 | 1.81E-07 | 1.28E-06 | 9.42E-07 | 2.38E-06 | 2.08E-07 | 1.37E-07 | 2.64E-08 | 2.64E-08 | 2.81E-07 |

14-SILICON-31 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.23E-06 | 4.06E-08 | 2.34E-06 | 2.62E-07 | 2.98E-07 | 9.99E-08 | 9.49E-07 | 5.80E-07 | 3.34E-07 | 3.34E-07 | 2.53E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.23E-06 | 4.06E-08 | 2.34E-06 | 2.62E-07 | 2.98E-07 | 9.99E-08 | 9.49E-07 | 5.80E-07 | 3.34E-07 | 3.34E-07 | 2.53E-07 |
| SKELETON BONE | G | 1.90E-07 | 7.94E-08 | 8.34E-08 | 1.11E-07 | 9.86E-08 | 1.42E-07 | 1.38E-07 | 1.03E-07 | 1.37E-07 | 1.37E-07 | 1.64E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.90E-07 | 7.94E-08 | 8.34E-08 | 1.11E-07 | 9.86E-08 | 1.42E-07 | 1.38E-07 | 1.03E-07 | 1.37E-07 | 1.37E-07 | 1.64E-07 |
| R MARROW | G | 3.34E-07 | 1.63E-07 | 1.38E-07 | 3.36E-07 | 2.83E-07 | 4.17E-07 | 3.45E-07 | 1.47E-07 | 1.75E-07 | 1.75E-07 | 1.84E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.34E-07 | 1.63E-07 | 1.38E-07 | 3.36E-07 | 2.83E-07 | 4.17E-07 | 3.45E-07 | 1.47E-07 | 1.75E-07 | 1.75E-07 | 1.84E-07 |
| Y MARROW | G | 1.85E-07 | 7.32E-08 | 1.17E-07 | 1.51E-07 | 1.39E-07 | 1.76E-07 | 1.70E-07 | 1.55E-07 | 1.41E-07 | 1.41E-07 | 1.51E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.85E-07 | 7.32E-08 | 1.17E-07 | 1.51E-07 | 1.39E-07 | 1.76E-07 | 1.70E-07 | 1.55E-07 | 1.41E-07 | 1.41E-07 | 1.51E-07 |
| T E CL | G | 1.90E-07 | 7.94E-08 | 8.34E-08 | 1.11E-07 | 9.86E-08 | 1.42E-07 | 1.38E-07 | 1.03E-07 | 1.37E-07 | 1.37E-07 | 1.64E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.90E-07 | 7.94E-08 | 8.34E-08 | 1.11E-07 | 9.86E-08 | 1.42E-07 | 1.38E-07 | 1.03E-07 | 1.37E-07 | 1.37E-07 | 1.64E-07 |
| SKIN | G | 1.11E-07 | 1.04E-07 | 9.16E-08 | 8.88E-08 | 8.47E-08 | 9.76E-08 | 9.90E-08 | 9.32E-08 | 1.03E-07 | 1.03E-07 | 1.39E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-07 | 1.04E-07 | 9.16E-08 | 8.88E-08 | 8.47E-08 | 9.76E-08 | 9.90E-08 | 9.32E-08 | 1.03E-07 | 1.03E-07 | 1.39E-07 |
| SPLEEN | G | 8.25E-07 | 3.35E-08 | 1.32E-06 | 2.35E-07 | 2.11E-07 | 1.49E-07 | 1.16E-06 | 1.52E-07 | 2.81E-07 | 2.81E-07 | 2.12E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.25E-07 | 3.35E-08 | 1.32E-06 | 2.35E-07 | 2.11E-07 | 1.49E-07 | 1.16E-06 | 1.52E-07 | 2.81E-07 | 2.81E-07 | 2.12E-07 |
| TESTES | G | 1.44E-08 | 6.44E-07 | 2.65E-08 | 8.47E-08 | 7.20E-08 | 2.20E-07 | 2.66E-08 | 2.99E-08 | 6.06E-09 | 6.06E-09 | 1.83E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.44E-08 | 6.44E-07 | 2.65E-08 | 8.47E-08 | 7.20E-08 | 2.20E-07 | 2.66E-08 | 2.99E-08 | 6.06E-09 | 6.06E-09 | 1.83E-07 |
| THYMUS | G | 9.18E-08 | 7.59E-09 | 1.16E-07 | 2.48E-08 | 2.67E-08 | 1.20E-08 | 3.34E-08 | 1.07E-07 | 6.18E-07 | 6.18E-07 | 2.67E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.18E-08 | 7.59E-09 | 1.16E-07 | 2.48E-08 | 2.67E-08 | 1.20E-08 | 3.34E-08 | 1.07E-07 | 6.18E-07 | 6.18E-07 | 2.67E-07 |
| THYROID | G | 3.60E-08 | 2.99E-09 | 2.68E-08 | 9.03E-09 | 9.51E-09 | 4.74E-09 | 1.82E-08 | 3.11E-08 | 1.65E-07 | 1.65E-07 | 1.96E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.60E-08 | 2.99E-09 | 2.68E-08 | 9.03E-09 | 9.51E-09 | 4.74E-09 | 1.82E-08 | 3.11E-08 | 1.65E-07 | 1.65E-07 | 1.96E-07 |
| UTERUS | G | 7.20E-08 | 1.96E-06 | 1.48E-07 | 1.16E-06 | 7.00E-07 | 8.13E-07 | 1.48E-07 | 7.76E-08 | 3.13E-08 | 3.13E-08 | 3.17E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.20E-08 | 1.96E-06 | 1.48E-07 | 1.16E-06 | 7.00E-07 | 8.13E-07 | 1.48E-07 | 7.76E-08 | 3.13E-08 | 3.13E-08 | 3.17E-07 |
| T BODY | G | 2.40E-07 | 2.63E-07 | 2.52E-07 | 2.76E-07 | 2.71E-07 | 2.69E-07 | 2.43E-07 | 2.41E-07 | 2.05E-07 | 2.05E-07 | 2.09E-07 |
| | B | 4.31E-04 | 4.85E-05 | 1.29E-04 | 3.45E-04 | 2.06E-04 | 2.56E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 |
| | T | 4.32E-04 | 4.88E-05 | 1.30E-04 | 3.45E-04 | 2.06E-04 | 2.56E-04 | 4.32E-04 | 4.32E-04 | 4.32E-04 | 4.32E-04 | 4.32E-04 |

CONTINUED NEXT PAGE

14-SILICON-31 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 8.12E-08 | 1.04E-06 | 2.88E-07 | 2.88E-07 | 3.71E-07 | 1.38E-07 | 1.28E-07 | 9.71E-07 | 1.44E-08 | 3.35E-08 | 3.63E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 8.12E-08 | 1.04E-06 | 2.88E-07 | 2.88E-07 | 3.71E-07 | 1.38E-07 | 1.28E-07 | 9.71E-07 | 1.44E-08 | 3.35E-08 | 4.32E-04 |
| BLAD WALL | G | 9.79E-07 | 3.36E-08 | 9.15E-08 | 9.15E-08 | 1.71E-07 | 5.71E-08 | 1.21E-07 | 4.80E-08 | 7.03E-07 | 3.00E-09 | 2.80E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 9.79E-07 | 3.36E-08 | 9.15E-08 | 9.15E-08 | 1.71E-07 | 5.71E-08 | 1.21E-07 | 4.80E-08 | 7.03E-07 | 3.00E-09 | 4.32E-04 |
| GI TRACT S WALL | G | 1.32E-07 | 2.35E-06 | 8.36E-08 | 8.36E-08 | 1.69E-07 | 1.08E-07 | 9.69E-08 | 1.38E-06 | 1.57E-08 | 2.54E-08 | 2.15E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.32E-07 | 2.35E-06 | 8.36E-08 | 8.36E-08 | 1.69E-07 | 1.08E-07 | 9.69E-08 | 1.38E-06 | 1.57E-08 | 2.54E-08 | 4.32E-04 |
| SI+CONT | G | 1.57E-06 | 2.61E-07 | 1.16E-07 | 1.16E-07 | 3.58E-07 | 1.49E-07 | 8.96E-08 | 2.10E-07 | 8.10E-08 | 7.56E-09 | 2.76E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.57E-06 | 2.61E-07 | 1.16E-07 | 1.16E-07 | 3.58E-07 | 1.49E-07 | 8.96E-08 | 2.10E-07 | 8.10E-08 | 7.56E-09 | 4.32E-04 |
| ULI WALL | G | 1.49E-06 | 3.16E-07 | 1.12E-07 | 1.12E-07 | 2.69E-07 | 1.39E-07 | 9.07E-08 | 2.09E-07 | 5.77E-08 | 8.80E-09 | 2.57E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.49E-06 | 3.16E-07 | 1.12E-07 | 1.12E-07 | 2.69E-07 | 1.39E-07 | 9.07E-08 | 2.09E-07 | 5.77E-08 | 8.80E-09 | 4.32E-04 |
| LLI WALL | G | 1.88E-06 | 9.61E-08 | 1.49E-07 | 1.49E-07 | 4.11E-07 | 1.33E-07 | 9.40E-08 | 9.50E-08 | 3.47E-07 | 4.12E-09 | 2.78E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.88E-06 | 9.61E-08 | 1.49E-07 | 1.49E-07 | 4.11E-07 | 1.33E-07 | 9.40E-08 | 9.50E-08 | 3.47E-07 | 4.12E-09 | 4.32E-04 |
| KIDNEYS | G | 1.58E-07 | 8.53E-07 | 1.62E-07 | 1.62E-07 | 3.59E-07 | 1.69E-07 | 1.13E-07 | 1.17E-06 | 2.44E-08 | 2.33E-08 | 2.44E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.58E-07 | 8.53E-07 | 1.62E-07 | 1.62E-07 | 3.59E-07 | 1.69E-07 | 1.13E-07 | 1.17E-06 | 2.44E-08 | 2.33E-08 | 4.32E-04 |
| LIVER | G | 9.81E-08 | 5.68E-07 | 1.07E-07 | 1.07E-07 | 1.51E-07 | 1.63E-07 | 1.01E-07 | 1.59E-07 | 1.78E-08 | 3.16E-08 | 2.47E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 9.81E-08 | 5.68E-07 | 1.07E-07 | 1.07E-07 | 1.51E-07 | 1.63E-07 | 1.01E-07 | 1.59E-07 | 1.78E-08 | 3.16E-08 | 4.32E-04 |
| LUNGS | G | 2.51E-08 | 3.22E-07 | 1.43E-07 | 1.43E-07 | 1.82E-07 | 1.53E-07 | 1.07E-07 | 2.96E-07 | 6.03E-09 | 1.63E-07 | 1.95E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 2.51E-08 | 3.22E-07 | 1.43E-07 | 1.43E-07 | 1.82E-07 | 1.53E-07 | 1.07E-07 | 2.96E-07 | 6.03E-09 | 1.63E-07 | 4.32E-04 |
| RESP LYM NODE | G | 2.51E-08 | 3.22E-07 | 1.43E-07 | 1.43E-07 | 1.82E-07 | 1.53E-07 | 1.07E-07 | 2.96E-07 | 6.03E-09 | 1.63E-07 | 1.95E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 2.51E-08 | 3.22E-07 | 1.43E-07 | 1.43E-07 | 1.82E-07 | 1.53E-07 | 1.07E-07 | 2.96E-07 | 6.03E-09 | 1.63E-07 | 4.32E-04 |
| MUSCLE* | G | 2.81E-07 | 2.53E-07 | 1.64E-07 | 1.64E-07 | 1.90E-07 | 1.50E-07 | 1.39E-07 | 2.12E-07 | 1.83E-07 | 1.96E-07 | 2.09E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 2.81E-07 | 2.53E-07 | 1.64E-07 | 1.64E-07 | 1.90E-07 | 1.50E-07 | 1.39E-07 | 2.12E-07 | 1.83E-07 | 1.96E-07 | 4.32E-04 |
| OVARIES | G | 1.07E-04 | 1.31E-07 | 1.34E-07 | 1.34E-07 | 4.56E-07 | 1.38E-07 | 8.72E-08 | 8.89E-08 | 0.0 | 4.89E-09 | 2.49E-07 |
| | B | 2.74E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 2.74E 00 | 1.31E-07 | 1.34E-07 | 1.34E-07 | 4.56E-07 | 1.38E-07 | 8.72E-08 | 8.89E-08 | 0.0 | 4.89E-09 | 4.32E-04 |

14-SILICON-31 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.10E-07 | 2.96E-05 | 1.60E-07 | 1.60E-07 | 1.73E-07 | 1.52E-07 | 7.77E-08 | 2.47E-06 | 1.86E-08 | 4.06E-08 | 2.31E-07 |
| | B | 0.0 | 3.02E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.10E-07 | 3.02E-01 | 1.60E-07 | 1.60E-07 | 1.73E-07 | 1.52E-07 | 7.77E-08 | 2.47E-06 | 1.86E-08 | 4.06E-08 | 4.32E-04 |
| SKELETON BONE | G | 1.26E-07 | 1.28E-07 | 4.80E-07 | 4.80E-07 | 3.20E-07 | 3.60E-07 | 1.27E-07 | 1.10E-07 | 9.41E-08 | 1.07E-07 | 2.04E-07 |
| | B | 0.0 | 0.0 | 6.04E-03 | 3.49E-03 | 1.70E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.26E-07 | 1.28E-07 | 6.04E-03 | 3.49E-03 | 1.70E-03 | 3.60E-07 | 1.27E-07 | 1.10E-07 | 9.41E-08 | 1.07E-07 | 4.32E-04 |
| R MARROW | G | 4.05E-07 | 2.38E-07 | 4.36E-07 | 4.36E-07 | 1.01E-06 | 3.68E-07 | 1.19E-07 | 1.58E-07 | 7.24E-08 | 1.17E-07 | 2.24E-07 |
| | B | 0.0 | 0.0 | 3.34E-04 | 8.49E-03 | 1.36E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 4.05E-07 | 2.38E-07 | 3.35E-04 | 8.49E-03 | 1.36E-02 | 3.68E-07 | 1.19E-07 | 1.58E-07 | 7.24E-08 | 1.17E-07 | 4.32E-04 |
| Y MARROW | G | 1.65E-07 | 1.52E-07 | 4.14E-07 | 4.14E-07 | 3.95E-07 | 6.11E-07 | 1.35E-07 | 1.63E-07 | 4.22E-08 | 5.96E-08 | 1.90E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.01E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.65E-07 | 1.52E-07 | 4.14E-07 | 4.14E-07 | 3.95E-07 | 2.01E-02 | 1.35E-07 | 1.63E-07 | 4.22E-08 | 5.96E-08 | 4.32E-04 |
| T E CL | G | 1.26E-07 | 1.28E-07 | 4.80E-07 | 4.80E-07 | 4.30E-07 | 3.97E-07 | 1.27E-07 | 1.10E-07 | 9.41E-08 | 1.07E-07 | 2.04E-07 |
| | B | 0.0 | 0.0 | 3.87E-03 | 6.10E-03 | 6.00E-03 | 5.03E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.26E-07 | 1.28E-07 | 3.87E-03 | 6.10E-03 | 6.00E-03 | 5.03E-03 | 1.27E-07 | 1.10E-07 | 9.41E-08 | 1.07E-07 | 4.32E-04 |
| SKIN | G | 8.28E-08 | 8.31E-08 | 1.30E-07 | 1.30E-07 | 1.14E-07 | 1.39E-07 | 3.02E-07 | 9.55E-08 | 2.33E-07 | 1.37E-07 | 1.43E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-02 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 8.28E-08 | 8.31E-08 | 1.30E-07 | 1.30E-07 | 1.14E-07 | 1.39E-07 | 1.16E-02 | 9.55E-08 | 2.33E-07 | 1.37E-07 | 4.31E-04 |
| SPLEEN | G | 8.26E-08 | 2.52E-06 | 1.11E-07 | 1.11E-07 | 1.47E-07 | 1.76E-07 | 1.02E-07 | 1.78E-05 | 1.03E-08 | 3.06E-08 | 2.35E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.68E-01 | 0.0 | 0.0 | 4.31E-04 |
| | T | 8.26E-08 | 2.52E-06 | 1.11E-07 | 1.11E-07 | 1.47E-07 | 1.76E-07 | 1.02E-07 | 1.68E-01 | 1.03E-08 | 3.06E-08 | 4.32E-04 |
| TESTES | G | 0.0 | 2.00E-08 | 1.05E-07 | 1.05E-07 | 4.33E-08 | 1.30E-07 | 1.40E-07 | 1.83E-08 | 4.97E-05 | 1.38E-09 | 2.40E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.63E-01 | 0.0 | 4.31E-04 |
| | T | 0.0 | 2.00E-08 | 1.05E-07 | 1.05E-07 | 4.33E-08 | 1.30E-07 | 1.40E-07 | 1.83E-08 | 8.63E-01 | 1.38E-09 | 4.32E-04 |
| THYMUS | G | 1.27E-08 | 8.96E-08 | 9.41E-08 | 9.41E-08 | 1.27E-07 | 9.33E-08 | 9.84E-08 | 6.07E-08 | 3.36E-09 | 5.81E-07 | 2.35E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 1.27E-08 | 8.96E-08 | 9.41E-08 | 9.41E-08 | 1.27E-07 | 9.33E-08 | 9.84E-08 | 6.07E-08 | 3.36E-09 | 5.81E-07 | 4.32E-04 |
| THYROID | G | 4.88E-09 | 1.94E-08 | 1.27E-07 | 1.27E-07 | 1.18E-07 | 9.28E-08 | 1.07E-07 | 2.62E-08 | 1.38E-09 | 6.80E-05 | 2.08E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51E 00 | 4.31E-04 |
| | T | 4.88E-09 | 1.94E-08 | 1.27E-07 | 1.27E-07 | 1.18E-07 | 9.28E-08 | 1.07E-07 | 2.62E-08 | 1.38E-09 | 1.51E 00 | 4.32E-04 |
| UTERUS | G | 2.31E-06 | 8.78E-08 | 1.15E-07 | 1.15E-07 | 2.43E-07 | 7.86E-08 | 1.06E-07 | 5.94E-08 | 0.0 | 4.69E-09 | 2.90E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-04 |
| | T | 2.31E-06 | 8.78E-08 | 1.15E-07 | 1.15E-07 | 2.43E-07 | 7.86E-08 | 1.06E-07 | 5.94E-08 | 0.0 | 4.69E-09 | 4.32E-04 |
| T BODY | G | 2.80E-07 | 2.75E-07 | 2.07E-07 | 2.07E-07 | 2.28E-07 | 1.85E-07 | 1.39E-07 | 2.41E-07 | 2.08E-07 | 1.88E-07 | 2.07E-07 |
| | B | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 | 4.31E-04 |
| | T | 4.32E-04 | 4.32E-04 | 4.32E-04 | 4.32E-04 | 4.32E-04 | 4.32E-04 | 4.31E-04 | 4.32E-04 | 4.32E-04 | 4.32E-04 | 4.32E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 17-CHLORINE-36 (TR=3.100E 05 YEARS)

DATE OF TABLE 04-10-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.25E-05 | 1.25E-29 | 2.02E-15 | 1.01E-18 | 2.70E-19 | 9.17E-22 | 2.20E-10 | 1.15E-10 | 5.80E-11 | 5.80E-11 | 1.88E-10 |
| | B | 9.99E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.99E-01 | 1.25E-29 | 2.02E-15 | 1.01E-18 | 2.70E-19 | 9.17E-22 | 2.20E-10 | 1.15E-10 | 5.80E-11 | 5.80E-11 | 1.88E-10 |
| BLAD WALL | G | 3.04E-29 | 3.98E-08 | 7.53E-23 | 1.97E-14 | 1.55E-14 | 6.48E-12 | 2.15E-23 | 2.69E-23 | 1.65E-32 | 1.65E-32 | 9.38E-12 |
| | B | 0.0 | 3.50E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.04E-29 | 3.50E-02 | 7.53E-23 | 1.97E-14 | 1.55E-14 | 6.48E-12 | 2.15E-23 | 2.69E-23 | 1.65E-32 | 1.65E-32 | 9.38E-12 |
| GI TRACT S WALL | G | 6.55E-15 | 1.33E-22 | 1.50E-08 | 2.66E-11 | 9.86E-11 | 5.86E-13 | 6.34E-14 | 1.80E-11 | 2.51E-11 | 2.51E-11 | 1.86E-12 |
| | B | 0.0 | 0.0 | 2.80E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.55E-15 | 1.33E-22 | 2.80E-02 | 2.66E-11 | 9.86E-11 | 5.86E-13 | 6.34E-14 | 1.80E-11 | 2.51E-11 | 2.51E-11 | 1.86E-12 |
| SI+CONT | G | 1.01E-18 | 7.12E-15 | 9.33E-12 | 3.46E-08 | 2.56E-10 | 1.13E-10 | 3.05E-13 | 7.59E-12 | 7.72E-22 | 7.72E-22 | 3.26E-11 |
| | B | 0.0 | 0.0 | 0.0 | 1.75E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.01E-18 | 7.12E-15 | 9.33E-12 | 1.75E-02 | 2.56E-10 | 1.13E-10 | 3.05E-13 | 7.59E-12 | 7.72E-22 | 7.72E-22 | 3.26E-11 |
| ULI WALL | G | 5.38E-19 | 8.01E-15 | 3.79E-11 | 2.11E-08 | 1.70E-08 | 4.82E-10 | 3.49E-14 | 8.86E-12 | 1.19E-21 | 1.19E-21 | 2.05E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.18E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.38E-19 | 8.01E-15 | 3.79E-11 | 2.11E-08 | 3.18E-02 | 4.82E-10 | 3.49E-14 | 8.86E-12 | 1.19E-21 | 1.19E-21 | 2.05E-10 |
| LLI WALL | G | 9.42E-22 | 1.60E-11 | 8.00E-14 | 1.32E-09 | 1.16E-10 | 2.59E-08 | 3.88E-16 | 1.28E-21 | 2.93E-24 | 2.93E-24 | 3.18E-12 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.42E-22 | 1.60E-11 | 8.00E-14 | 1.32E-09 | 1.16E-10 | 5.18E-02 | 3.88E-16 | 1.28E-21 | 2.93E-24 | 2.93E-24 | 3.18E-12 |
| KIDNEYS | G | 1.98E-10 | 7.11E-24 | 1.79E-14 | 2.31E-13 | 1.49E-14 | 1.99E-16 | 7.03E-07 | 3.93E-11 | 3.01E-15 | 3.01E-15 | 6.65E-11 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.51E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.98E-10 | 7.11E-24 | 1.79E-14 | 2.31E-13 | 1.49E-14 | 1.99E-16 | 4.51E-02 | 3.93E-11 | 3.01E-15 | 3.01E-15 | 6.65E-11 |
| LIVER | G | 1.28E-11 | 1.22E-23 | 1.00E-11 | 3.56E-12 | 7.41E-12 | 1.37E-21 | 2.08E-11 | 1.11E-07 | 3.35E-12 | 3.35E-12 | 2.88E-11 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.77E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-11 | 1.22E-23 | 1.00E-11 | 3.56E-12 | 7.41E-12 | 1.37E-21 | 2.08E-11 | 7.77E-03 | 3.35E-12 | 3.35E-12 | 2.88E-11 |
| LUNGS | G | 1.49E-11 | 1.99E-33 | 8.25E-12 | 2.08E-22 | 1.86E-22 | 1.22E-21 | 1.67E-12 | 3.63E-12 | 1.94E-07 | 1.94E-07 | 1.82E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-02 | 1.40E-02 | 0.0 |
| | T | 1.49E-11 | 1.99E-33 | 8.25E-12 | 2.08E-22 | 1.86E-22 | 1.22E-21 | 1.67E-12 | 3.63E-12 | 1.40E-02 | 1.40E-02 | 1.82E-10 |
| RESP LYM NODE | G | 1.49E-11 | 1.99E-33 | 8.25E-12 | 2.08E-22 | 1.86E-22 | 1.22E-21 | 1.67E-12 | 3.63E-12 | 3.83E-08 | 1.94E-07 | 1.82E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-02 | 9.32E-01 | 0.0 |
| | T | 1.49E-11 | 1.99E-33 | 8.25E-12 | 2.08E-22 | 1.86E-22 | 1.22E-21 | 1.67E-12 | 3.63E-12 | 1.40E-02 | 9.32E-01 | 1.82E-10 |
| MUSCLE* | G | 1.88E-10 | 9.38E-12 | 1.86E-12 | 3.26E-11 | 3.47E-12 | 3.18E-12 | 6.65E-11 | 2.88E-11 | 1.82E-10 | 1.82E-10 | 4.07E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.99E-04 |
| | T | 1.88E-10 | 9.38E-12 | 1.86E-12 | 3.26E-11 | 3.47E-12 | 3.18E-12 | 6.65E-11 | 2.88E-11 | 1.82E-10 | 1.82E-10 | 4.99E-04 |
| OVARIES | G | 9.28E-25 | 2.92E-13 | 9.30E-19 | 6.45E-10 | 9.42E-10 | 1.92E-09 | 1.73E-18 | 4.60E-19 | 2.46E-28 | 2.46E-28 | 1.93E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.28E-25 | 2.92E-13 | 9.30E-19 | 6.45E-10 | 9.42E-10 | 1.92E-09 | 1.73E-18 | 4.60E-19 | 2.46E-28 | 2.46E-28 | 1.93E-10 |

17-CHLORINE-36 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.42E-12 | 1.70E-26 | 3.89E-10 | 1.24E-15 | 1.06E-15 | 8.02E-19 | 1.09E-12 | 6.90E-11 | 4.00E-13 | 4.00E-13 | 1.13E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.42E-12 | 1.70E-26 | 3.89E-10 | 1.24E-15 | 1.06E-15 | 8.02E-19 | 1.09E-12 | 6.90E-11 | 4.00E-13 | 4.00E-13 | 1.13E-10 |
| SKELETON BONE | G | 2.06E-11 | 1.20E-15 | 1.81E-12 | 1.01E-11 | 7.70E-12 | 2.01E-12 | 1.05E-11 | 2.73E-12 | 1.27E-12 | 1.27E-12 | 1.80E-11 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.06E-11 | 1.20E-15 | 1.81E-12 | 1.01E-11 | 7.70E-12 | 2.01E-12 | 1.05E-11 | 2.73E-12 | 1.27E-12 | 1.27E-12 | 1.80E-11 |
| R MARROW | G | 3.09E-11 | 1.33E-12 | 1.87E-12 | 4.23E-11 | 3.24E-11 | 8.47E-12 | 2.81E-11 | 2.83E-12 | 1.32E-12 | 1.32E-12 | 9.42E-11 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.09E-11 | 1.33E-12 | 1.87E-12 | 4.23E-11 | 3.24E-11 | 8.47E-12 | 2.81E-11 | 2.83E-12 | 1.32E-12 | 1.32E-12 | 9.42E-11 |
| Y MARROW | G | 1.88E-11 | 4.43E-13 | 2.46E-12 | 1.41E-11 | 1.08E-11 | 2.82E-12 | 1.27E-11 | 3.71E-12 | 1.73E-12 | 1.73E-12 | 7.88E-11 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.88E-11 | 4.43E-13 | 2.46E-12 | 1.41E-11 | 1.08E-11 | 2.82E-12 | 1.27E-11 | 3.71E-12 | 1.73E-12 | 1.73E-12 | 7.88E-11 |
| T F CL | G | 2.06E-11 | 1.20E-15 | 1.81E-12 | 1.01E-11 | 7.70E-12 | 2.01E-12 | 1.05E-11 | 2.73E-12 | 1.27E-12 | 1.27E-12 | 1.80E-11 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.06E-11 | 1.20E-15 | 1.81E-12 | 1.01E-11 | 7.70E-12 | 2.01E-12 | 1.05E-11 | 2.73E-12 | 1.27E-12 | 1.27E-12 | 1.80E-11 |
| SKIN | G | 3.05E-12 | 1.24E-12 | 6.47E-13 | 2.49E-12 | 3.98E-14 | 3.79E-12 | 7.79E-12 | 2.70E-12 | 2.20E-12 | 2.20E-12 | 1.87E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.05E-12 | 1.24E-12 | 6.47E-13 | 2.49E-12 | 3.98E-14 | 3.79E-12 | 7.79E-12 | 2.70E-12 | 2.20E-12 | 2.20E-12 | 1.87E-10 |
| SPLEEN | G | 1.95E-11 | 1.23E-26 | 5.27E-12 | 9.94E-15 | 2.70E-15 | 7.14E-17 | 2.90E-10 | 3.40E-17 | 3.10E-11 | 3.10E-11 | 5.51E-11 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.95E-11 | 1.23E-26 | 5.27E-12 | 9.94E-15 | 2.70E-15 | 7.14E-17 | 2.90E-10 | 3.40E-17 | 3.10E-11 | 3.10E-11 | 5.51E-11 |
| TESTES | G | 3.32E-37 | 8.39E-14 | 1.60E-30 | 1.29E-22 | 5.78E-22 | 2.19E-14 | 2.05E-31 | 1.02E-30 | 3.99E-40 | 3.99E-40 | 2.34E-12 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.32E-37 | 8.39E-14 | 1.60E-30 | 1.29E-22 | 5.78E-22 | 2.19E-14 | 2.05E-31 | 1.02E-30 | 3.99E-40 | 3.99E-40 | 2.34E-12 |
| THYMUS | G | 4.57E-23 | 2.77E-41 | 1.03E-22 | 4.92E-31 | 6.30E-31 | 4.76E-34 | 3.31E-26 | 2.96E-20 | 1.04E-11 | 1.04E-11 | 8.17E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.57E-23 | 2.77E-41 | 1.03E-22 | 4.92E-31 | 6.30E-31 | 4.76E-34 | 3.31E-26 | 2.96E-20 | 1.04E-11 | 1.04E-11 | 8.17E-10 |
| THYROID | G | 9.93E-31 | 2.91E-29 | 2.66E-30 | 2.03E-39 | 2.47E-39 | 4.94E-42 | 3.81E-34 | 6.05E-29 | 1.90E-16 | 1.90E-16 | 1.57E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.93E-31 | 2.91E-29 | 2.66E-30 | 2.03E-39 | 2.47E-39 | 4.94E-42 | 3.81E-34 | 6.05E-29 | 1.90E-16 | 1.90E-16 | 1.57E-10 |
| UTERUS | G | 9.16E-26 | 1.82E-10 | 3.52E-20 | 6.39E-11 | 2.00E-13 | 2.40E-13 | 6.84E-20 | 8.18E-21 | 1.78E-29 | 1.78E-29 | 9.45E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.16E-26 | 1.82E-10 | 3.52E-20 | 6.39E-11 | 2.00E-13 | 2.40E-13 | 6.84E-20 | 8.18E-21 | 1.78E-29 | 1.78E-29 | 9.45E-10 |
| T BODY | G | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 |
| | B | 2.00E-04 | 2.25E-05 | 5.99E-05 | 1.60E-04 | 9.53E-05 | 1.18E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 |
| | T | 2.00E-04 | 2.25E-05 | 5.99E-05 | 1.60E-04 | 9.53E-05 | 1.18E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 |

CONTINUED NEXT PAGE

17-CHLORINE-36 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 9.28E-25 | 1.42E-12 | 1.90E-11 | 1.90E-11 | 2.76E-11 | 7.39E-12 | 4.91E-12 | 5.18E-12 | 3.32E-37 | 9.93E-32 | 3.00E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 9.28E-25 | 1.42E-12 | 1.90E-11 | 1.90E-11 | 2.76E-11 | 7.39E-12 | 4.91E-12 | 5.18E-12 | 3.32E-37 | 9.93E-32 | 2.00E-04 |
| BLAD WALL | G | 8.39E-13 | 4.36E-26 | 1.06E-15 | 1.06E-15 | 4.34E-15 | 8.50E-16 | 1.00E-11 | 3.14E-26 | 2.34E-13 | 4.11E-29 | 2.78E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 8.39E-13 | 4.36E-26 | 1.06E-15 | 1.06E-15 | 4.34E-15 | 8.50E-16 | 1.00E-11 | 3.14E-26 | 2.34E-13 | 4.11E-29 | 2.00E-04 |
| GI TRACT S WALL | G | 3.79E-18 | 1.06E-10 | 6.80E-12 | 6.80E-12 | 6.94E-12 | 1.29E-11 | 1.28E-11 | 4.04E-11 | 6.50E-30 | 9.70E-30 | 2.88E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 3.79E-18 | 1.06E-10 | 6.80E-12 | 6.80E-12 | 6.94E-12 | 1.29E-11 | 1.28E-11 | 4.04E-11 | 6.50E-30 | 9.70E-30 | 2.00E-04 |
| SI+CONT | G | 1.34E-10 | 1.21E-15 | 7.13E-12 | 7.13E-12 | 1.51E-11 | 7.63E-12 | 3.02E-12 | 8.27E-15 | 1.25E-22 | 2.14E-39 | 2.91E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 1.34E-10 | 1.21E-15 | 7.13E-12 | 7.13E-12 | 1.51E-11 | 7.63E-12 | 3.02E-12 | 8.27E-15 | 1.25E-22 | 2.14E-39 | 2.00E-04 |
| ULI WALL | G | 4.19E-10 | 1.82E-15 | 9.91E-12 | 9.91E-12 | 3.17E-11 | 9.72E-12 | 5.89E-12 | 5.52E-15 | 6.33E-22 | 4.37E-39 | 2.92E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 4.19E-10 | 1.82E-15 | 9.91E-12 | 9.91E-12 | 3.17E-11 | 9.72E-12 | 5.89E-12 | 5.52E-15 | 6.33E-22 | 4.37E-39 | 2.00E-04 |
| LLI WALL | G | 4.65E-10 | 6.61E-19 | 3.03E-11 | 3.03E-11 | 7.13E-11 | 2.14E-11 | 2.68E-12 | 8.52E-17 | 6.08E-14 | 3.90E-42 | 2.92E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 4.65E-10 | 6.61E-19 | 3.03E-11 | 3.03E-11 | 7.13E-11 | 2.14E-11 | 2.68E-12 | 8.52E-17 | 6.08E-14 | 3.90E-42 | 2.00E-04 |
| KIDNEYS | G | 1.74E-18 | 1.06E-12 | 1.42E-11 | 1.42E-11 | 1.16E-11 | 2.19E-11 | 8.50E-12 | 3.29E-10 | 2.19E-31 | 4.15E-34 | 2.89E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 1.74E-18 | 1.06E-12 | 1.42E-11 | 1.42E-11 | 1.16E-11 | 2.19E-11 | 8.50E-12 | 3.29E-10 | 2.19E-31 | 4.15E-34 | 2.00E-04 |
| LIVER | G | 4.93E-19 | 7.20E-12 | 5.83E-12 | 5.83E-12 | 4.05E-12 | 8.09E-12 | 2.23E-12 | 3.37E-17 | 1.21E-30 | 5.92E-29 | 2.91E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 4.93E-19 | 7.20E-12 | 5.83E-12 | 5.83E-12 | 4.05E-12 | 8.09E-12 | 2.23E-12 | 3.37E-17 | 1.21E-30 | 5.92E-29 | 2.00E-04 |
| LUNGS | G | 2.40E-30 | 1.29E-13 | 7.92E-12 | 7.92E-12 | 7.36E-12 | 6.45E-12 | 3.76E-12 | 3.05E-11 | 1.05E-40 | 7.13E-18 | 2.85E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 2.40E-30 | 1.29E-13 | 7.92E-12 | 7.92E-12 | 7.36E-12 | 6.45E-12 | 3.76E-12 | 3.05E-11 | 1.05E-40 | 7.13E-18 | 2.00E-04 |
| RESP LYM NODE | G | 2.40E-30 | 1.29E-13 | 7.92E-12 | 7.92E-12 | 7.36E-12 | 6.45E-12 | 3.76E-12 | 3.05E-11 | 1.05E-40 | 7.13E-18 | 2.85E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 2.40E-30 | 1.29E-13 | 7.92E-12 | 7.92E-12 | 7.36E-12 | 6.45E-12 | 3.76E-12 | 3.05E-11 | 1.05E-40 | 7.13E-18 | 2.00E-04 |
| MUSCLE* | G | 1.93E-10 | 1.13E-10 | 1.80E-11 | 1.80E-11 | 2.46E-11 | 5.17E-11 | 1.87E-10 | 5.51E-11 | 2.34E-12 | 1.57E-10 | 2.90E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 1.93E-10 | 1.13E-10 | 1.80E-11 | 1.80E-11 | 2.46E-11 | 5.17E-11 | 1.87E-10 | 5.51E-11 | 2.34E-12 | 1.57E-10 | 2.00E-04 |
| OVARIES | G | 2.34E-05 | 2.47E-22 | 9.93E-13 | 9.93E-13 | 4.02E-12 | 1.09E-12 | 4.03E-16 | 4.60E-21 | 1.74E-48 | 1.09E-27 | 3.01E-09 |
| | B | 1.27E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 1.27E 00 | 2.47E-22 | 9.93E-13 | 9.93E-13 | 4.02E-12 | 1.09E-12 | 4.03E-16 | 4.60E-21 | 1.74E-48 | 1.09E-27 | 2.00E-04 |

17-CHLORINE-36 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.22E-22 | 3.28E-06 | 1.83E-11 | 1.83E-11 | 2.16E-12 | 5.24E-12 | 6.63E-13 | 7.32E-11 | 4.51E-34 | 5.81E-31 | 2.93E-09 |
| | B | 0.0 | 1.40E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 2.22E-22 | 1.40E-01 | 1.83E-11 | 1.83E-11 | 2.16E-12 | 5.24E-12 | 6.63E-13 | 7.32E-11 | 4.51E-34 | 5.81E-31 | 2.00E-04 |
| SKELETON BONE | G | 1.27E-12 | 1.77E-12 | 1.93E-08 | 1.93E-08 | 2.84E-09 | 3.68E-09 | 8.65E-11 | 3.20E-13 | 3.43E-15 | 8.39E-14 | 2.30E-09 |
| | B | 0.0 | 0.0 | 2.80E-03 | 1.77E-03 | 6.82E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 1.27E-12 | 1.77E-12 | 2.80E-03 | 1.77E-03 | 6.82E-04 | 3.68E-09 | 8.65E-11 | 3.20E-13 | 3.43E-15 | 8.39E-14 | 2.00E-04 |
| R MARROW | G | 5.33E-12 | 3.67E-12 | 4.41E-09 | 4.41E-09 | 1.16E-07 | 3.92E-09 | 7.56E-11 | 3.31E-13 | 1.52E-13 | 1.26E-13 | 2.97E-09 |
| | B | 0.0 | 0.0 | 6.68E-05 | 3.41E-03 | 6.87E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 5.33E-12 | 3.67E-12 | 6.68E-05 | 3.41E-03 | 6.87E-03 | 3.92E-09 | 7.56E-11 | 3.31E-13 | 1.52E-13 | 1.26E-13 | 2.00E-04 |
| Y MARROW | G | 1.78E-12 | 1.50E-12 | 4.38E-09 | 4.38E-09 | 4.36E-09 | 1.11E-07 | 1.02E-10 | 4.35E-13 | 5.21E-14 | 5.25E-14 | 2.95E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.32E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 1.78E-12 | 1.50E-12 | 4.38E-09 | 4.38E-09 | 4.36E-09 | 9.32E-03 | 1.02E-10 | 4.35E-13 | 5.21E-14 | 5.25E-14 | 2.00E-04 |
| T E CL | G | 1.27E-12 | 1.77E-12 | 4.37E-09 | 4.37E-09 | 5.64E-08 | 5.63E-08 | 8.65E-11 | 3.20E-13 | 3.43E-15 | 8.39E-14 | 2.94E-09 |
| | B | 0.0 | 0.0 | 1.80E-03 | 3.17E-03 | 2.55E-03 | 2.33E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 1.27E-12 | 1.77E-12 | 1.80E-03 | 3.17E-03 | 2.55E-03 | 2.33E-03 | 8.65E-11 | 3.20E-13 | 3.43E-15 | 8.39E-14 | 2.00E-04 |
| SKIN | G | 4.03E-16 | 3.43E-13 | 2.32E-11 | 2.32E-11 | 2.31E-11 | 3.51E-11 | 6.55E-08 | 3.65E-13 | 6.91E-11 | 2.37E-11 | 2.77E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.38E-03 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 4.03E-16 | 3.43E-13 | 2.32E-11 | 2.32E-11 | 2.31E-11 | 3.51E-11 | 5.38E-03 | 3.65E-13 | 6.91E-11 | 2.37E-11 | 2.00E-04 |
| SPLEEN | G | 4.76E-21 | 6.79E-11 | 3.05E-11 | 3.05E-11 | 7.32E-12 | 9.26E-12 | 7.81E-12 | 1.15E-06 | 6.14E-34 | 3.19E-31 | 3.03E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.77E-02 | 0.0 | 0.0 | 2.00E-04 |
| | T | 4.76E-21 | 6.79E-11 | 3.05E-11 | 3.05E-11 | 7.32E-12 | 9.26E-12 | 7.81E-12 | 7.77E-02 | 6.14E-34 | 3.19E-31 | 2.00E-04 |
| TESTES | G | 1.74E-48 | 4.52E-34 | 8.46E-16 | 8.46E-16 | 1.17E-13 | 1.24E-15 | 3.87E-11 | 5.71E-34 | 5.35E-06 | 1.16E-32 | 2.96E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.99E-01 | 0.0 | 2.00E-04 |
| | T | 1.74E-48 | 4.52E-34 | 8.46E-16 | 8.46E-16 | 1.17E-13 | 1.24E-15 | 3.87E-11 | 5.71E-34 | 3.99E-01 | 1.16E-32 | 2.00E-04 |
| THYMUS | G | 1.41E-37 | 9.31E-23 | 1.33E-11 | 1.33E-11 | 1.18E-12 | 1.54E-12 | 8.79E-13 | 2.57E-24 | 1.03E-28 | 5.74E-14 | 2.87E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 1.41E-37 | 9.31E-23 | 1.33E-11 | 1.33E-11 | 1.18E-12 | 1.54E-12 | 8.79E-13 | 2.57E-24 | 1.03E-28 | 5.74E-14 | 2.00E-04 |
| THYROID | G | 1.08E-27 | 5.65E-31 | 6.18E-12 | 6.18E-12 | 4.99E-12 | 4.96E-12 | 5.86E-11 | 2.95E-31 | 1.17E-32 | 9.96E-06 | 3.16E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.99E-01 | 2.00E-04 |
| | T | 1.08E-27 | 5.65E-31 | 6.18E-12 | 6.18E-12 | 4.99E-12 | 4.96E-12 | 5.86E-11 | 2.95E-31 | 1.17E-32 | 6.99E-01 | 2.00E-04 |
| UTERUS | G | 8.54E-11 | 7.73E-23 | 4.34E-15 | 4.34E-15 | 2.99E-14 | 7.66E-15 | 2.42E-12 | 3.53E-23 | 1.74E-48 | 2.80E-28 | 2.97E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 8.54E-11 | 7.73E-23 | 4.34E-15 | 4.34E-15 | 2.99E-14 | 7.66E-15 | 2.42E-12 | 3.53E-23 | 1.74E-48 | 2.80E-28 | 2.00E-04 |
| T BODY | G | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.76E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 | 2.90E-09 |
| | B | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 |
| | T | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 17-CHLORINE-38 (TR=3.714E 01 MIN)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 9.63E-02 | 6.10E-05 | 6.30E-04 | 3.00E-04 | 2.36E-04 | 1.11E-04 | 2.36E-03 | 1.10E-03 | 2.98E-04 | 2.98E-04 | 3.27E-04 |
| | B | 5.68E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.77E 00 | 6.10E-05 | 6.30E-04 | 3.00E-04 | 2.36E-04 | 1.11E-04 | 2.36E-03 | 1.10E-03 | 2.98E-04 | 2.98E-04 | 3.27E-04 |
| BLAD WALL | G | 6.66E-05 | 1.45E-02 | 8.55E-05 | 6.27E-04 | 4.76E-04 | 1.27E-03 | 9.25E-05 | 6.55E-05 | 2.49E-05 | 2.49E-05 | 3.77E-04 |
| | B | 0.0 | 1.99E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.66E-05 | 2.13E-01 | 8.55E-05 | 6.27E-04 | 4.76E-04 | 1.27E-03 | 9.25E-05 | 6.55E-05 | 2.49E-05 | 2.49E-05 | 3.77E-04 |
| GI TRACT S WALL | G | 5.26E-04 | 1.23E-04 | 1.04E-02 | 7.34E-04 | 7.20E-04 | 3.86E-04 | 6.98E-04 | 4.42E-04 | 4.54E-04 | 4.54E-04 | 3.04E-04 |
| | B | 0.0 | 0.0 | 1.59E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.26E-04 | 1.23E-04 | 1.69E-01 | 7.34E-04 | 7.20E-04 | 3.86E-04 | 6.98E-04 | 4.42E-04 | 4.54E-04 | 4.54E-04 | 3.04E-04 |
| SI+CONT | G | 2.34E-04 | 6.06E-04 | 5.51E-04 | 6.13E-03 | 3.11E-03 | 1.84E-03 | 6.01E-04 | 3.47E-04 | 8.28E-05 | 8.28E-05 | 3.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 9.93E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.34E-04 | 6.06E-04 | 5.51E-04 | 1.05E-01 | 3.11E-03 | 1.84E-03 | 6.01E-04 | 3.47E-04 | 8.28E-05 | 8.28E-05 | 3.28E-04 |
| ULI WALL | G | 2.43E-04 | 4.30E-04 | 6.76E-04 | 4.64E-03 | 8.68E-03 | 8.41E-04 | 5.67E-04 | 4.95E-04 | 1.03E-04 | 1.03E-04 | 3.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.81E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.43E-04 | 4.30E-04 | 6.76E-04 | 4.64E-03 | 1.89E-01 | 8.41E-04 | 5.67E-04 | 4.95E-04 | 1.03E-04 | 1.03E-04 | 3.47E-04 |
| LLI WALL | G | 9.98E-05 | 1.48E-03 | 2.97E-04 | 1.48E-03 | 5.98E-04 | 1.03E-02 | 2.22E-04 | 7.71E-05 | 1.69E-05 | 1.69E-05 | 3.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.98E-05 | 1.48E-03 | 2.97E-04 | 1.48E-03 | 5.98E-04 | 3.05E-01 | 2.22E-04 | 7.71E-05 | 1.69E-05 | 1.69E-05 | 3.61E-04 |
| KIDNEYS | G | 2.27E-03 | 1.01E-04 | 6.68E-04 | 6.22E-04 | 5.56E-04 | 2.45E-04 | 1.44E-02 | 8.02E-04 | 1.96E-04 | 1.96E-04 | 3.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.56E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.27E-03 | 1.01E-04 | 6.68E-04 | 6.22E-04 | 5.56E-04 | 2.45E-04 | 2.71E-01 | 8.02E-04 | 1.96E-04 | 1.96E-04 | 3.12E-04 |
| LIVER | G | 1.01E-03 | 8.25E-05 | 4.48E-04 | 4.01E-04 | 5.35E-04 | 9.59E-05 | 8.07E-04 | 5.10E-03 | 4.88E-04 | 4.88E-04 | 2.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.41E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.01E-03 | 8.25E-05 | 4.48E-04 | 4.01E-04 | 5.35E-04 | 9.59E-05 | 8.07E-04 | 4.92E-02 | 4.88E-04 | 4.88E-04 | 2.43E-04 |
| LUNGS | G | 5.05E-04 | 2.44E-05 | 3.69E-04 | 8.36E-05 | 9.63E-05 | 5.21E-05 | 2.08E-04 | 5.19E-04 | 2.92E-03 | 2.92E-03 | 2.81E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.95E-02 | 7.95E-02 | 0.0 |
| | T | 5.05E-04 | 2.44E-05 | 3.69E-04 | 8.36E-05 | 9.63E-05 | 5.21E-05 | 2.08E-04 | 5.19E-04 | 8.24E-02 | 8.24E-02 | 2.81E-04 |
| RESP LYM NODE | G | 5.05E-04 | 2.44E-05 | 3.69E-04 | 8.36E-05 | 9.63E-05 | 5.21E-05 | 2.08E-04 | 5.19E-04 | 2.92E-03 | 2.92E-03 | 2.81E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.95E-02 | 5.30E 00 | 0.0 |
| | T | 5.05E-04 | 2.44E-05 | 3.69E-04 | 8.36E-05 | 9.63E-05 | 5.21E-05 | 2.08E-04 | 5.19E-04 | 8.24E-02 | 5.30E 00 | 2.81E-04 |
| MUSCLE* | G | 3.27E-04 | 3.77E-04 | 3.04E-04 | 3.28E-04 | 3.21E-04 | 3.61E-04 | 3.12E-04 | 2.43E-04 | 2.81E-04 | 2.81E-04 | 3.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.84E-03 |
| | T | 3.27E-04 | 3.77E-04 | 3.04E-04 | 3.28E-04 | 3.21E-04 | 3.61E-04 | 3.12E-04 | 2.43E-04 | 2.81E-04 | 2.81E-04 | 3.16E-03 |
| OVARIES | G | 9.52E-05 | 1.33E-03 | 2.11E-04 | 1.63E-03 | 2.12E-03 | 3.43E-03 | 2.54E-04 | 1.85E-04 | 4.33E-05 | 4.33E-05 | 4.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.52E-05 | 1.33E-03 | 2.11E-04 | 1.63E-03 | 2.12E-03 | 3.43E-03 | 2.54E-04 | 1.85E-04 | 4.33E-05 | 4.33E-05 | 4.18E-04 |

17-CHLORINE-38 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.77E-03 | 8.90E-05 | 3.31E-03 | 4.07E-04 | 5.04E-04 | 1.69E-04 | 1.19E-03 | 7.67E-04 | 4.62E-04 | 4.62E-04 | 3.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.77E-03 | 8.90E-05 | 3.31E-03 | 4.07E-04 | 5.04E-04 | 1.69E-04 | 1.19E-03 | 7.67E-04 | 4.62E-04 | 4.62E-04 | 3.80E-04 |
| SKELETON BONE | G | 2.82E-04 | 1.25E-04 | 1.28E-04 | 1.66E-04 | 1.50E-04 | 2.17E-04 | 2.05E-04 | 1.61E-04 | 2.12E-04 | 2.12E-04 | 2.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.82E-04 | 1.25E-04 | 1.28E-04 | 1.66E-04 | 1.50E-04 | 2.17E-04 | 2.05E-04 | 1.61E-04 | 2.12E-04 | 2.12E-04 | 2.46E-04 |
| R MARROW | G | 4.98E-04 | 2.47E-04 | 2.06E-04 | 4.97E-04 | 4.30E-04 | 6.20E-04 | 5.07E-04 | 2.32E-04 | 2.68E-04 | 2.68E-04 | 2.84E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.98E-04 | 2.47E-04 | 2.06E-04 | 4.97E-04 | 4.30E-04 | 6.20E-04 | 5.07E-04 | 2.32E-04 | 2.68E-04 | 2.68E-04 | 2.84E-04 |
| Y MARROW | G | 2.80E-04 | 1.19E-04 | 1.80E-04 | 2.25E-04 | 2.08E-04 | 2.66E-04 | 2.51E-04 | 2.36E-04 | 2.21E-04 | 2.21E-04 | 2.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.80E-04 | 1.19E-04 | 1.80E-04 | 2.25E-04 | 2.08E-04 | 2.66E-04 | 2.51E-04 | 2.36E-04 | 2.21E-04 | 2.21E-04 | 2.29E-04 |
| T E CL | G | 2.82E-04 | 1.25E-04 | 1.28E-04 | 1.66E-04 | 1.50E-04 | 2.17E-04 | 2.05E-04 | 1.61E-04 | 2.12E-04 | 2.12E-04 | 2.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.82E-04 | 1.25E-04 | 1.28E-04 | 1.66E-04 | 1.50E-04 | 2.17E-04 | 2.05E-04 | 1.61E-04 | 2.12E-04 | 2.12E-04 | 2.46E-04 |
| SKIN | G | 1.59E-04 | 1.56E-04 | 1.50E-04 | 1.32E-04 | 1.34E-04 | 1.52E-04 | 1.56E-04 | 1.51E-04 | 1.58E-04 | 1.58E-04 | 2.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.59E-04 | 1.56E-04 | 1.50E-04 | 1.32E-04 | 1.34E-04 | 1.52E-04 | 1.56E-04 | 1.51E-04 | 1.58E-04 | 1.58E-04 | 2.07E-04 |
| SPLEEN | G | 1.23E-03 | 7.06E-05 | 1.86E-03 | 3.67E-04 | 2.89E-04 | 2.28E-04 | 1.64E-03 | 2.23E-04 | 4.37E-04 | 4.37E-04 | 3.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.23E-03 | 7.06E-05 | 1.86E-03 | 3.67E-04 | 2.89E-04 | 2.28E-04 | 1.64E-03 | 2.23E-04 | 4.37E-04 | 4.37E-04 | 3.14E-04 |
| TESTES | G | 2.49E-05 | 1.00E-03 | 4.34E-05 | 1.48E-04 | 1.18E-04 | 4.15E-04 | 4.36E-05 | 3.49E-05 | 1.14E-05 | 1.14E-05 | 3.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.49E-05 | 1.00E-03 | 4.34E-05 | 1.48E-04 | 1.18E-04 | 4.15E-04 | 4.36E-05 | 3.49E-05 | 1.14E-05 | 1.14E-05 | 3.20E-04 |
| THYMUS | G | 1.56E-04 | 1.40E-05 | 1.32E-04 | 4.10E-05 | 4.38E-05 | 2.09E-05 | 4.88E-05 | 1.90E-04 | 8.81E-04 | 8.81E-04 | 4.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.56E-04 | 1.40E-05 | 1.32E-04 | 4.10E-05 | 4.38E-05 | 2.09E-05 | 4.88E-05 | 1.90E-04 | 8.81E-04 | 8.81E-04 | 4.47E-04 |
| THYROID | G | 5.59E-05 | 6.12E-06 | 4.39E-05 | 1.63E-05 | 1.71E-05 | 9.15E-06 | 3.08E-05 | 5.04E-05 | 2.14E-04 | 2.14E-04 | 2.91E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.59E-05 | 6.12E-06 | 4.39E-05 | 1.63E-05 | 1.71E-05 | 9.15E-06 | 3.08E-05 | 5.04E-05 | 2.14E-04 | 2.14E-04 | 2.91E-04 |
| UTERUS | G | 7.54E-05 | 2.92E-03 | 2.06E-04 | 1.65E-03 | 1.07E-03 | 1.15E-03 | 1.83E-04 | 1.36E-04 | 4.92E-05 | 4.92E-05 | 4.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.54E-05 | 2.92E-03 | 2.06E-04 | 1.65E-03 | 1.07E-03 | 1.15E-03 | 1.83E-04 | 1.36E-04 | 4.92E-05 | 4.92E-05 | 4.78E-04 |
| T BODY | G | 3.57E-04 | 3.94E-04 | 3.74E-04 | 4.08E-04 | 4.03E-04 | 4.01E-04 | 3.61E-04 | 3.59E-04 | 3.04E-04 | 3.04E-04 | 3.09E-04 |
| | B | 1.14E-03 | 1.28E-04 | 3.41E-04 | 9.08E-04 | 5.42E-04 | 6.73E-04 | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 |
| | T | 1.49E-03 | 5.22E-04 | 7.15E-04 | 1.32E-03 | 9.44E-04 | 1.07E-03 | 1.50E-03 | 1.49E-03 | 1.44E-03 | 1.44E-03 | 1.44E-03 |

CONTINUED NEXT PAGE

17-CHLORINE-38 CONTINUED

S O U R C E  O R G A N S

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.23E-04 | 1.44E-03 | 3.23E-04 | 3.23E-04 | 3.66E-04 | 2.52E-04 | 2.05E-04 | 1.35E-03 | 2.49E-05 | 5.40E-05 | 4.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 1.23E-04 | 1.44E-03 | 3.23E-04 | 3.23E-04 | 3.66E-04 | 2.52E-04 | 2.05E-04 | 1.35E-03 | 2.49E-05 | 5.40E-05 | 1.61E-03 |
| BLAD WALL | G | 1.31E-03 | 1.00E-04 | 1.50E-04 | 1.50E-04 | 1.85E-04 | 9.92E-05 | 1.72E-04 | 6.92E-05 | 9.83E-04 | 6.13E-06 | 3.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 1.31E-03 | 1.00E-04 | 1.50E-04 | 1.50E-04 | 1.85E-04 | 9.92E-05 | 1.72E-04 | 6.92E-05 | 9.83E-04 | 6.13E-06 | 1.50E-03 |
| GI TRACT S WALL | G | 2.32E-04 | 3.39E-03 | 1.29E-04 | 1.29E-04 | 2.12E-04 | 1.71E-04 | 1.43E-04 | 2.01E-03 | 3.37E-05 | 3.28E-05 | 3.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 2.32E-04 | 3.39E-03 | 1.29E-04 | 1.29E-04 | 2.12E-04 | 1.71E-04 | 1.43E-04 | 2.01E-03 | 3.37E-05 | 3.28E-05 | 1.46E-03 |
| SI+CONT | G | 2.32E-03 | 3.90E-04 | 1.71E-04 | 1.71E-04 | 5.33E-04 | 2.25E-04 | 1.34E-04 | 3.09E-04 | 1.34E-04 | 1.41E-05 | 4.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 2.32E-03 | 3.90E-04 | 1.71E-04 | 1.71E-04 | 5.33E-04 | 2.25E-04 | 1.34E-04 | 3.09E-04 | 1.34E-04 | 1.41E-05 | 1.54E-03 |
| ULI WALL | G | 2.19E-03 | 4.46E-04 | 1.68E-04 | 1.68E-04 | 4.33E-04 | 2.10E-04 | 1.33E-04 | 3.34E-04 | 1.44E-04 | 1.52E-05 | 3.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 2.19E-03 | 4.46E-04 | 1.68E-04 | 1.68E-04 | 4.33E-04 | 2.10E-04 | 1.33E-04 | 3.34E-04 | 1.44E-04 | 1.52E-05 | 1.51E-03 |
| LLI WALL | G | 2.83E-03 | 1.29E-04 | 2.05E-04 | 2.05E-04 | 6.96E-04 | 2.21E-04 | 1.47E-04 | 1.59E-04 | 5.50E-04 | 8.01E-06 | 4.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 2.83E-03 | 1.29E-04 | 2.05E-04 | 2.05E-04 | 6.96E-04 | 2.21E-04 | 1.47E-04 | 1.59E-04 | 5.50E-04 | 8.01E-06 | 1.62E-03 |
| KIDNEYS | G | 2.58E-04 | 1.22E-03 | 1.91E-04 | 1.91E-04 | 5.72E-04 | 2.36E-04 | 1.69E-04 | 1.73E-03 | 3.40E-05 | 3.44E-05 | 3.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 2.58E-04 | 1.22E-03 | 1.91E-04 | 1.91E-04 | 5.72E-04 | 2.36E-04 | 1.69E-04 | 1.73E-03 | 3.40E-05 | 3.44E-05 | 1.48E-03 |
| LIVER | G | 1.64E-04 | 8.12E-04 | 1.78E-04 | 1.78E-04 | 2.32E-04 | 2.45E-04 | 1.60E-04 | 2.42E-04 | 3.00E-05 | 6.11E-05 | 3.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 1.64E-04 | 8.12E-04 | 1.78E-04 | 1.78E-04 | 2.32E-04 | 2.45E-04 | 1.60E-04 | 2.42E-04 | 3.00E-05 | 6.11E-05 | 1.49E-03 |
| LUNGS | G | 4.30E-05 | 4.79E-04 | 2.22E-04 | 2.22E-04 | 2.62E-04 | 2.11E-04 | 1.64E-04 | 4.60E-04 | 9.74E-06 | 2.36E-04 | 2.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 4.30E-05 | 4.79E-04 | 2.22E-04 | 2.22E-04 | 2.62E-04 | 2.11E-04 | 1.64E-04 | 4.60E-04 | 9.74E-06 | 2.36E-04 | 1.42E-03 |
| RESP LYM NODE | G | 4.30E-05 | 4.79E-04 | 2.22E-04 | 2.22E-04 | 2.62E-04 | 2.11E-04 | 1.64E-04 | 4.60E-04 | 9.74E-06 | 2.36E-04 | 2.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 4.30E-05 | 4.79E-04 | 2.22E-04 | 2.22E-04 | 2.62E-04 | 2.11E-04 | 1.64E-04 | 4.60E-04 | 9.74E-06 | 2.36E-04 | 1.42E-03 |
| MUSCLE* | G | 4.18E-04 | 3.80E-04 | 2.46E-04 | 2.46E-04 | 2.84E-04 | 2.25E-04 | 2.07E-04 | 3.14E-04 | 3.20E-04 | 2.91E-04 | 3.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 4.18E-04 | 3.80E-04 | 2.46E-04 | 2.46E-04 | 2.84E-04 | 2.25E-04 | 2.07E-04 | 3.14E-04 | 3.20E-04 | 2.91E-04 | 1.44E-03 |
| OVARIES | G | 1.57E-01 | 1.66E-04 | 2.01E-04 | 2.01E-04 | 6.98E-04 | 2.04E-04 | 1.44E-04 | 5.87E-05 | 0.0 | 9.45E-06 | 4.60E-04 |
| | B | 7.22E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 7.38E 00 | 1.66E-04 | 2.01E-04 | 2.01E-04 | 6.98E-04 | 2.04E-04 | 1.44E-04 | 5.87E-05 | 0.0 | 9.45E-06 | 1.59E-03 |

17-CHLORINE-38 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 9.32E-05 | 4.27E-02 | 2.53E-04 | 2.53E-04 | 2.92E-04 | 2.14E-04 | 1.33E-04 | 3.61E-03 | 4.23E-05 | 6.67E-05 | 5.31E-04 |
| | B | 0.0 | 7.95E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 9.32E-05 | 8.37E-01 | 2.53E-04 | 2.53E-04 | 2.92E-04 | 2.14E-04 | 1.33E-04 | 3.61E-03 | 4.23E-05 | 6.67E-05 | 1.67E-03 |
| SKELETON BONE | G | 1.91E-04 | 1.93E-04 | 6.96E-04 | 6.96E-04 | 4.75E-04 | 5.28E-04 | 1.87E-04 | 1.62E-04 | 1.43E-04 | 1.64E-04 | 3.08E-04 |
| | B | 0.0 | 0.0 | 1.59E-02 | 9.12E-03 | 4.51E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 1.91E-04 | 1.93E-04 | 1.66E-02 | 9.82E-03 | 4.99E-03 | 5.28E-04 | 1.87E-04 | 1.62E-04 | 1.43E-04 | 1.64E-04 | 1.44E-03 |
| R MARROW | G | 5.93E-04 | 3.53E-04 | 6.24E-04 | 6.24E-04 | 1.49E-03 | 5.30E-04 | 1.74E-04 | 2.36E-04 | 1.15E-04 | 1.82E-04 | 3.38E-04 |
| | B | 0.0 | 0.0 | 1.25E-03 | 2.26E-02 | 3.46E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 5.93E-04 | 3.53E-04 | 1.88E-03 | 2.32E-02 | 3.61E-02 | 5.30E-04 | 1.74E-04 | 2.36E-04 | 1.15E-04 | 1.82E-04 | 1.47E-03 |
| Y MARROW | G | 2.46E-04 | 2.27E-04 | 5.98E-04 | 5.98E-04 | 5.83E-04 | 8.99E-04 | 1.99E-04 | 2.38E-04 | 7.25E-05 | 9.44E-05 | 2.84E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 2.46E-04 | 2.27E-04 | 5.98E-04 | 5.98E-04 | 5.83E-04 | 5.39E-02 | 1.99E-04 | 2.38E-04 | 7.25E-05 | 9.44E-05 | 1.42E-03 |
| T E CL | G | 1.91E-04 | 1.93E-04 | 6.96E-04 | 6.96E-04 | 6.35E-04 | 5.81E-04 | 1.87E-04 | 1.62E-04 | 1.43E-04 | 1.64E-04 | 3.08E-04 |
| | B | 0.0 | 0.0 | 9.74E-03 | 1.38E-02 | 1.73E-02 | 1.32E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 1.91E-04 | 1.93E-04 | 1.04E-02 | 1.45E-02 | 1.79E-02 | 1.38E-02 | 1.87E-04 | 1.62E-04 | 1.43E-04 | 1.64E-04 | 1.44E-03 |
| SKIN | G | 1.18E-04 | 1.25E-04 | 1.96E-04 | 1.96E-04 | 1.77E-04 | 2.16E-04 | 4.43E-04 | 1.36E-04 | 3.44E-04 | 2.05E-04 | 2.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.06E-02 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 1.18E-04 | 1.25E-04 | 1.96E-04 | 1.96E-04 | 1.77E-04 | 2.16E-04 | 3.10E-02 | 1.36E-04 | 3.44E-04 | 2.05E-04 | 1.35E-03 |
| SPLEEN | G | 1.66E-04 | 3.72E-03 | 1.53E-04 | 1.53E-04 | 2.35E-04 | 2.81E-04 | 1.34E-04 | 2.61E-02 | 3.43E-05 | 3.68E-05 | 3.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.41E-01 | 0.0 | 0.0 | 1.14E-03 |
| | T | 1.66E-04 | 3.72E-03 | 1.53E-04 | 1.53E-04 | 2.35E-04 | 2.81E-04 | 1.34E-04 | 4.68E-01 | 3.43E-05 | 3.68E-05 | 1.45E-03 |
| TESTES | G | 0.0 | 3.35E-05 | 2.49E-04 | 2.49E-04 | 9.97E-05 | 1.91E-04 | 2.21E-04 | 3.10E-05 | 7.22E-02 | 3.11E-06 | 3.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E 00 | 0.0 | 1.14E-03 |
| | T | 0.0 | 3.35E-05 | 2.49E-04 | 2.49E-04 | 9.97E-05 | 1.91E-04 | 2.21E-04 | 3.10E-05 | 2.34E 00 | 3.11E-06 | 1.48E-03 |
| THYMUS | G | 2.23E-05 | 1.51E-04 | 1.47E-04 | 1.47E-04 | 2.19E-04 | 1.74E-04 | 1.82E-04 | 1.26E-04 | 6.78E-06 | 1.02E-03 | 3.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 2.23E-05 | 1.51E-04 | 1.47E-04 | 1.47E-04 | 2.19E-04 | 1.74E-04 | 1.82E-04 | 1.26E-04 | 6.78E-06 | 1.02E-03 | 1.52E-03 |
| THYROID | G | 9.45E-06 | 5.20E-05 | 8.87E-05 | 8.87E-05 | 1.85E-04 | 2.02E-04 | 1.95E-04 | 4.29E-05 | 3.10E-06 | 9.77E-02 | 3.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.97E 00 | 1.14E-03 |
| | T | 9.45E-06 | 5.20E-05 | 8.87E-05 | 8.87E-05 | 1.85E-04 | 2.02E-04 | 1.95E-04 | 4.29E-05 | 3.10E-06 | 4.07E 00 | 1.44E-03 |
| UTERUS | G | 3.48E-03 | 1.45E-04 | 1.23E-04 | 1.23E-04 | 2.89E-04 | 1.89E-04 | 1.36E-04 | 1.09E-04 | 0.0 | 9.11E-06 | 4.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-03 |
| | T | 3.48E-03 | 1.45E-04 | 1.23E-04 | 1.23E-04 | 2.89E-04 | 1.89E-04 | 1.36E-04 | 1.09E-04 | 0.0 | 9.11E-06 | 1.56E-03 |
| T BODY | G | 4.17E-04 | 4.10E-04 | 3.08E-04 | 3.08E-04 | 3.40E-04 | 2.75E-04 | 2.07E-04 | 3.56E-04 | 3.12E-04 | 2.79E-04 | 3.07E-04 |
| | B | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 | 1.14E-03 |
| | T | 1.55E-03 | 1.54E-03 | 1.44E-03 | 1.44E-03 | 1.48E-03 | 1.41E-03 | 1.34E-03 | 1.49E-03 | 1.45E-03 | 1.41E-03 | 1.44E-03 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-KLINKEN, J.VAN ET AL., NUCL. PHYS. A112, 372 (1968)
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 21-SCANDIUM-46 (TR=8.390E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.54E-01 | 8.58E-05 | 7.86E-04 | 3.99E-04 | 4.11E-04 | 1.68E-04 | 4.09E-03 | 1.59E-03 | 7.76E-04 | 7.76E-04 | 5.12E-04 |
| | B | 4.10E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.63E-01 | 8.58E-05 | 7.86E-04 | 3.99E-04 | 4.11E-04 | 1.68E-04 | 4.09E-03 | 1.59E-03 | 7.76E-04 | 7.76E-04 | 5.12E-04 |
| BLAD WALL | G | 8.36E-05 | 2.30E-02 | 1.67E-04 | 8.03E-04 | 6.90E-04 | 1.75E-03 | 1.59E-04 | 6.96E-05 | 3.15E-05 | 3.15E-05 | 5.87E-04 |
| | B | 0.0 | 1.43E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.36E-05 | 3.73E-02 | 1.67E-04 | 8.03E-04 | 6.90E-04 | 1.75E-03 | 1.59E-04 | 6.96E-05 | 3.15E-05 | 3.15E-05 | 5.87E-04 |
| GI TRACT S WALL | G | 9.78E-04 | 1.76E-04 | 1.69E-02 | 1.16E-03 | 1.17E-03 | 5.21E-04 | 1.08E-03 | 6.56E-04 | 6.49E-04 | 6.49E-04 | 4.72E-04 |
| | B | 0.0 | 0.0 | 1.15E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.78E-04 | 1.76E-04 | 2.84E-02 | 1.16E-03 | 1.17E-03 | 5.21E-04 | 1.08E-03 | 6.56E-04 | 6.49E-04 | 6.49E-04 | 4.72E-04 |
| SI+CONT | G | 3.26E-04 | 9.01E-04 | 8.37E-04 | 9.88E-03 | 5.18E-03 | 2.92E-03 | 9.30E-04 | 5.32E-04 | 1.09E-04 | 1.09E-04 | 5.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 7.17E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.26E-04 | 9.01E-04 | 8.37E-04 | 1.70E-02 | 5.18E-03 | 2.92E-03 | 9.30E-04 | 5.32E-04 | 1.09E-04 | 1.09E-04 | 5.14E-04 |
| ULI WALL | G | 3.73E-04 | 6.56E-04 | 1.03E-03 | 7.40E-03 | 1.42E-02 | 1.32E-03 | 9.53E-04 | 7.88E-04 | 1.42E-04 | 1.42E-04 | 5.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.73E-04 | 6.56E-04 | 1.03E-03 | 7.40E-03 | 2.72E-02 | 1.32E-03 | 9.53E-04 | 7.88E-04 | 1.42E-04 | 1.42E-04 | 5.45E-04 |
| LLI WALL | G | 9.37E-05 | 2.20E-03 | 4.64E-04 | 2.24E-03 | 1.08E-03 | 1.67E-02 | 3.02E-04 | 9.86E-05 | 3.10E-05 | 3.10E-05 | 5.62E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.37E-05 | 2.20E-03 | 4.64E-04 | 2.24E-03 | 1.08E-03 | 3.79E-02 | 3.02E-04 | 9.86E-05 | 3.10E-05 | 3.10E-05 | 5.62E-04 |
| KIDNEYS | G | 3.65E-03 | 1.29E-04 | 1.08E-03 | 1.04E-03 | 9.55E-04 | 3.13E-04 | 2.34E-02 | 1.22E-03 | 3.40E-04 | 3.40E-04 | 4.83E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.65E-03 | 1.29E-04 | 1.08E-03 | 1.04E-03 | 9.55E-04 | 3.13E-04 | 4.19E-02 | 1.22E-03 | 3.40E-04 | 3.40E-04 | 4.83E-04 |
| LIVER | G | 1.56E-03 | 1.04E-04 | 6.56E-04 | 6.23E-04 | 8.31E-04 | 1.35E-04 | 1.26E-03 | 8.29E-03 | 7.91E-04 | 7.91E-04 | 3.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.19E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.56E-03 | 1.04E-04 | 6.56E-04 | 6.23E-04 | 8.31E-04 | 1.35E-04 | 1.26E-03 | 1.15E-02 | 7.91E-04 | 7.91E-04 | 3.78E-04 |
| LUNGS | G | 7.92E-04 | 2.82E-05 | 5.92E-04 | 1.19E-04 | 1.41E-04 | 5.44E-05 | 3.35E-04 | 8.13E-04 | 4.69E-03 | 4.69E-03 | 4.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.73E-03 | 5.73E-03 | 0.0 |
| | T | 7.92E-04 | 2.82E-05 | 5.92E-04 | 1.19E-04 | 1.41E-04 | 5.44E-05 | 3.35E-04 | 8.13E-04 | 1.04E-02 | 1.04E-02 | 4.43E-04 |
| RESP LYM NODE | G | 7.92E-04 | 2.82E-05 | 5.92E-04 | 1.19E-04 | 1.41E-04 | 5.44E-05 | 3.35E-04 | 8.13E-04 | 4.69E-03 | 4.69E-03 | 4.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.73E-03 | 3.82E-01 | 0.0 |
| | T | 7.92E-04 | 2.82E-05 | 5.92E-04 | 1.19E-04 | 1.41E-04 | 5.44E-05 | 3.35E-04 | 8.13E-04 | 1.04E-02 | 3.87E-01 | 4.43E-04 |
| MUSCLE* | G | 5.12E-04 | 5.87E-04 | 4.72E-04 | 5.14E-04 | 4.93E-04 | 5.62E-04 | 4.83E-04 | 3.78E-04 | 4.43E-04 | 4.43E-04 | 5.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.05E-04 |
| | T | 5.12E-04 | 5.87E-04 | 4.72E-04 | 5.14E-04 | 4.93E-04 | 5.62E-04 | 4.83E-04 | 3.78E-04 | 4.43E-04 | 4.43E-04 | 7.16E-04 |
| OVARIES | G | 1.66E-04 | 1.60E-03 | 4.60E-04 | 3.29E-03 | 2.52E-03 | 5.58E-03 | 5.21E-04 | 2.50E-04 | 5.87E-05 | 5.87E-05 | 6.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.66E-04 | 1.60E-03 | 4.60E-04 | 3.29E-03 | 2.52E-03 | 5.58E-03 | 5.21E-04 | 2.50E-04 | 5.87E-05 | 5.87E-05 | 6.57E-04 |

21-SCANDIUM-46 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.88E-03 | 9.90E-05 | 5.44E-03 | 6.59E-04 | 6.89E-04 | 2.45E-04 | 2.26E-03 | 1.40E-03 | 7.62E-04 | 7.62E-04 | 5.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.88E-03 | 9.90E-05 | 5.44E-03 | 6.59E-04 | 6.89E-04 | 2.45E-04 | 2.26E-03 | 1.40E-03 | 7.62E-04 | 7.62E-04 | 5.88E-04 |
| SKELETON BONE | G | 4.47E-04 | 1.84E-04 | 1.95E-04 | 2.59E-04 | 2.29E-04 | 3.34E-04 | 3.20E-04 | 2.38E-04 | 3.25E-04 | 3.25E-04 | 3.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.47E-04 | 1.84E-04 | 1.95E-04 | 2.59E-04 | 2.29E-04 | 3.34E-04 | 3.20E-04 | 2.38E-04 | 3.25E-04 | 3.25E-04 | 3.77E-04 |
| R MARROW | G | 7.91E-04 | 3.85E-04 | 3.27E-04 | 7.98E-04 | 6.64E-04 | 9.91E-04 | 8.02E-04 | 3.36E-04 | 4.12E-04 | 4.12E-04 | 4.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.91E-04 | 3.85E-04 | 3.27E-04 | 7.98E-04 | 6.64E-04 | 9.91E-04 | 8.02E-04 | 3.36E-04 | 4.12E-04 | 4.12E-04 | 4.37E-04 |
| Y MARROW | G | 4.35E-04 | 1.71E-04 | 2.70E-04 | 3.56E-04 | 3.25E-04 | 4.10E-04 | 3.96E-04 | 3.54E-04 | 3.41E-04 | 3.41E-04 | 3.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.35E-04 | 1.71E-04 | 2.70E-04 | 3.56E-04 | 3.25E-04 | 4.10E-04 | 3.96E-04 | 3.54E-04 | 3.41E-04 | 3.41E-04 | 3.59E-04 |
| T E CL | G | 4.47E-04 | 1.84E-04 | 1.95E-04 | 2.59E-04 | 2.29E-04 | 3.34E-04 | 3.20E-04 | 2.38E-04 | 3.25E-04 | 3.25E-04 | 3.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.47E-04 | 1.84E-04 | 1.95E-04 | 2.59E-04 | 2.29E-04 | 3.34E-04 | 3.20E-04 | 2.38E-04 | 3.25E-04 | 3.25E-04 | 3.77E-04 |
| SKIN | G | 2.50E-04 | 2.39E-04 | 2.11E-04 | 1.98E-04 | 1.92E-04 | 2.13E-04 | 2.29E-04 | 2.13E-04 | 2.36E-04 | 2.36E-04 | 3.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.50E-04 | 2.39E-04 | 2.11E-04 | 1.98E-04 | 1.92E-04 | 2.13E-04 | 2.29E-04 | 2.13E-04 | 2.36E-04 | 2.36E-04 | 3.21E-04 |
| SPLEEN | G | 2.00E-03 | 8.44E-05 | 3.11E-03 | 5.26E-04 | 4.67E-04 | 3.56E-04 | 2.75E-03 | 3.76E-04 | 7.13E-04 | 7.13E-04 | 4.92E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.00E-03 | 8.44E-05 | 3.11E-03 | 5.26E-04 | 4.67E-04 | 3.56E-04 | 2.75E-03 | 3.76E-04 | 7.13E-04 | 7.13E-04 | 4.92E-04 |
| TESTES | G | 3.08E-05 | 1.59E-03 | 5.41E-05 | 1.81E-04 | 1.87E-04 | 5.22E-04 | 5.89E-05 | 7.96E-05 | 1.24E-05 | 1.24E-05 | 4.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.08E-05 | 1.59E-03 | 5.41E-05 | 1.81E-04 | 1.87E-04 | 5.22E-04 | 5.89E-05 | 7.96E-05 | 1.24E-05 | 1.24E-05 | 4.20E-04 |
| THYMUS | G | 2.21E-04 | 1.57E-05 | 2.65E-04 | 5.49E-05 | 5.93E-05 | 2.56E-05 | 5.12E-05 | 2.78E-04 | 1.39E-03 | 1.39E-03 | 5.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.21E-04 | 1.57E-05 | 2.65E-04 | 5.49E-05 | 5.93E-05 | 2.56E-05 | 5.12E-05 | 2.78E-04 | 1.39E-03 | 1.39E-03 | 5.01E-04 |
| THYROID | G | 7.64E-05 | 5.83E-06 | 5.94E-05 | 1.89E-05 | 2.00E-05 | 9.57E-06 | 3.95E-05 | 6.96E-05 | 4.47E-04 | 4.47E-04 | 4.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.64E-05 | 5.83E-06 | 5.94E-05 | 1.89E-05 | 2.00E-05 | 9.57E-06 | 3.95E-05 | 6.96E-05 | 4.47E-04 | 4.47E-04 | 4.57E-04 |
| UTERUS | G | 1.68E-04 | 4.76E-03 | 3.30E-04 | 2.77E-03 | 1.57E-03 | 1.85E-03 | 2.98E-04 | 1.45E-04 | 4.81E-05 | 4.81E-05 | 8.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.68E-04 | 4.76E-03 | 3.30E-04 | 2.77E-03 | 1.57E-03 | 1.85E-03 | 2.98E-04 | 1.45E-04 | 4.81E-05 | 4.81E-05 | 8.43E-04 |
| T BODY | G | 5.60E-04 | 6.14E-04 | 5.89E-04 | 6.44E-04 | 6.32E-04 | 6.27E-04 | 5.64E-04 | 5.64E-04 | 4.78E-04 | 4.78E-04 | 4.86E-04 |
| | B | 8.19E-05 | 9.21E-06 | 2.46E-05 | 6.55E-05 | 3.91E-05 | 4.85E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 |
| | T | 6.42E-04 | 6.24E-04 | 6.13E-04 | 7.10E-04 | 6.71E-04 | 6.75E-04 | 6.46E-04 | 6.46E-04 | 5.60E-04 | 5.60E-04 | 5.68E-04 |

CONTINUED NEXT PAGE

21-SCANDIUM-46 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.91E-04 | 2.30E-03 | 6.37E-04 | 6.37E-04 | 9.45E-04 | 2.25E-04 | 2.82E-04 | 2.34E-03 | 3.08E-05 | 7.50E-05 | 6.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 1.91E-04 | 2.30E-03 | 6.37E-04 | 6.37E-04 | 9.45E-04 | 2.25E-04 | 2.82E-04 | 2.34E-03 | 3.08E-05 | 7.50E-05 | 7.50E-04 |
| BLAD WALL | G | 2.32E-03 | 5.28E-05 | 1.67E-04 | 1.67E-04 | 3.75E-04 | 1.12E-04 | 2.68E-04 | 1.16E-04 | 1.74E-03 | 5.85E-06 | 6.76E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 2.32E-03 | 5.28E-05 | 1.67E-04 | 1.67E-04 | 3.75E-04 | 1.12E-04 | 2.68E-04 | 1.16E-04 | 1.74E-03 | 5.85E-06 | 7.57E-04 |
| GI TRACT S WALL | G | 2.70E-04 | 5.53E-03 | 1.86E-04 | 1.86E-04 | 3.97E-04 | 2.56E-04 | 2.27E-04 | 3.09E-03 | 3.11E-05 | 4.98E-05 | 5.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 2.70E-04 | 5.53E-03 | 1.86E-04 | 1.86E-04 | 3.97E-04 | 2.56E-04 | 2.27E-04 | 3.09E-03 | 3.11E-05 | 4.98E-05 | 6.33E-04 |
| SI+CONT | G | 3.68E-03 | 6.04E-04 | 2.81E-04 | 2.81E-04 | 8.59E-04 | 3.43E-04 | 2.05E-04 | 4.73E-04 | 1.84E-04 | 1.37E-05 | 6.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 3.68E-03 | 6.04E-04 | 2.81E-04 | 2.81E-04 | 8.59E-04 | 3.43E-04 | 2.05E-04 | 4.73E-04 | 1.84E-04 | 1.37E-05 | 7.29E-04 |
| ULI WALL | G | 3.48E-03 | 7.34E-04 | 2.62E-04 | 2.62E-04 | 6.30E-04 | 2.97E-04 | 2.22E-04 | 4.74E-04 | 1.37E-04 | 1.55E-05 | 6.17E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 3.48E-03 | 7.34E-04 | 2.62E-04 | 2.62E-04 | 6.30E-04 | 2.97E-04 | 2.22E-04 | 4.74E-04 | 1.37E-04 | 1.55E-05 | 6.99E-04 |
| LLI WALL | G | 4.40E-03 | 1.97E-04 | 3.57E-04 | 3.57E-04 | 9.85E-04 | 2.80E-04 | 2.25E-04 | 2.16E-04 | 7.81E-04 | 8.28E-06 | 6.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 4.40E-03 | 1.97E-04 | 3.57E-04 | 3.57E-04 | 9.85E-04 | 2.80E-04 | 2.25E-04 | 2.16E-04 | 7.81E-04 | 8.28E-06 | 7.36E-04 |
| KIDNEYS | G | 3.72E-04 | 2.00E-03 | 3.92E-04 | 3.92E-04 | 8.00E-04 | 3.96E-04 | 2.64E-04 | 2.69E-03 | 5.14E-05 | 4.24E-05 | 5.95E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 3.72E-04 | 2.00E-03 | 3.92E-04 | 3.92E-04 | 8.00E-04 | 3.96E-04 | 2.64E-04 | 2.69E-03 | 5.14E-05 | 4.24E-05 | 6.77E-04 |
| LIVER | G | 2.22E-04 | 1.33E-03 | 2.46E-04 | 2.46E-04 | 3.40E-04 | 3.74E-04 | 2.31E-04 | 3.64E-04 | 3.60E-05 | 6.72E-05 | 5.97E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 2.22E-04 | 1.33E-03 | 2.46E-04 | 2.46E-04 | 3.40E-04 | 3.74E-04 | 2.31E-04 | 3.64E-04 | 3.60E-05 | 6.72E-05 | 6.79E-04 |
| LUNGS | G | 5.43E-05 | 7.63E-04 | 3.35E-04 | 3.35E-04 | 4.12E-04 | 3.48E-04 | 2.43E-04 | 7.04E-04 | 1.06E-05 | 3.86E-04 | 4.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 5.43E-05 | 7.63E-04 | 3.35E-04 | 3.35E-04 | 4.12E-04 | 3.48E-04 | 2.43E-04 | 7.04E-04 | 1.06E-05 | 3.86E-04 | 5.53E-04 |
| RESP LYM NODE | G | 5.43E-05 | 7.63E-04 | 3.35E-04 | 3.35E-04 | 4.12E-04 | 3.48E-04 | 2.43E-04 | 7.04E-04 | 1.06E-05 | 3.86E-04 | 4.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 5.43E-05 | 7.63E-04 | 3.35E-04 | 3.35E-04 | 4.12E-04 | 3.48E-04 | 2.43E-04 | 7.04E-04 | 1.06E-05 | 3.86E-04 | 5.53E-04 |
| MUSCLE* | G | 6.57E-04 | 5.88E-04 | 3.77E-04 | 3.77E-04 | 4.41E-04 | 3.48E-04 | 3.21E-04 | 4.92E-04 | 4.20E-04 | 4.57E-04 | 4.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 6.57E-04 | 5.88E-04 | 3.77E-04 | 3.77E-04 | 4.41E-04 | 3.48E-04 | 3.21E-04 | 4.92E-04 | 4.20E-04 | 4.57E-04 | 5.68E-04 |
| OVARIES | G | 2.49E-01 | 3.22E-04 | 3.25E-04 | 3.25E-04 | 9.47E-04 | 3.14E-04 | 2.01E-04 | 2.02E-04 | 1.81E-49 | 9.83E-06 | 4.81E-04 |
| | B | 5.21E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 7.70E-01 | 3.22E-04 | 3.25E-04 | 3.25E-04 | 9.47E-04 | 3.14E-04 | 2.01E-04 | 2.02E-04 | 1.81E-49 | 9.83E-06 | 5.63E-04 |

21-SCANDIUM-46 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.94E-04 | 6.93E-02 | 3.42E-04 | 3.42E-04 | 4.04E-04 | 3.50E-04 | 1.73E-04 | 5.96E-03 | 3.60E-05 | 3.78E-05 | 5.46E-04 |
| | B | 0.0 | 5.73E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 2.94E-04 | 1.27E-01 | 3.42E-04 | 3.42E-04 | 4.04E-04 | 3.50E-04 | 1.73E-04 | 5.96E-03 | 3.60E-05 | 3.78E-05 | 6.28E-04 |
| SKELETON BONE | G | 2.97E-04 | 2.96E-04 | 1.14E-03 | 1.14E-03 | 7.53E-04 | 8.45E-04 | 2.92E-04 | 2.55E-04 | 2.20E-04 | 2.47E-04 | 4.82E-04 |
| | B | 0.0 | 0.0 | 1.15E-03 | 8.93E-04 | 1.69E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 2.97E-04 | 2.96E-04 | 2.28E-03 | 2.03E-03 | 9.22E-04 | 8.45E-04 | 2.92E-04 | 2.55E-04 | 2.20E-04 | 2.47E-04 | 5.64E-04 |
| R MARROW | G | 9.62E-04 | 5.52E-04 | 1.03E-03 | 1.03E-03 | 2.38E-03 | 8.70E-04 | 2.71E-04 | 3.73E-04 | 1.73E-04 | 2.67E-04 | 5.31E-04 |
| | B | 0.0 | 0.0 | 8.87E-06 | 8.45E-04 | 3.24E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 9.62E-04 | 5.52E-04 | 1.04E-03 | 1.87E-03 | 5.62E-03 | 8.70E-04 | 2.71E-04 | 3.73E-04 | 1.73E-04 | 2.67E-04 | 6.12E-04 |
| Y MARROW | G | 3.92E-04 | 3.49E-04 | 9.82E-04 | 9.82E-04 | 9.31E-04 | 1.43E-03 | 3.09E-04 | 3.79E-04 | 9.67E-05 | 1.34E-04 | 4.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.82E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 3.92E-04 | 3.49E-04 | 9.82E-04 | 9.82E-04 | 9.31E-04 | 5.25E-03 | 3.09E-04 | 3.79E-04 | 9.67E-05 | 1.34E-04 | 5.33E-04 |
| T E CL | G | 2.97E-04 | 2.96E-04 | 1.14E-03 | 1.14E-03 | 1.01E-03 | 9.32E-04 | 2.92E-04 | 2.55E-04 | 2.20E-04 | 2.47E-04 | 4.82E-04 |
| | B | 0.0 | 0.0 | 6.60E-04 | 1.34E-03 | 1.02E-03 | 9.56E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 2.97E-04 | 2.96E-04 | 1.80E-03 | 2.47E-03 | 2.03E-03 | 1.89E-03 | 2.92E-04 | 2.55E-04 | 2.20E-04 | 2.47E-04 | 5.64E-04 |
| SKIN | G | 1.93E-04 | 1.92E-04 | 2.96E-04 | 2.96E-04 | 2.58E-04 | 3.26E-04 | 7.05E-04 | 2.21E-04 | 5.33E-04 | 3.13E-04 | 3.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.21E-03 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 1.93E-04 | 1.92E-04 | 2.96E-04 | 2.96E-04 | 2.58E-04 | 3.26E-04 | 2.91E-03 | 2.21E-04 | 5.33E-04 | 3.13E-04 | 4.05E-04 |
| SPLEEN | G | 2.08E-04 | 5.96E-03 | 2.91E-04 | 2.91E-04 | 3.50E-04 | 3.83E-04 | 2.60E-04 | 4.21E-02 | 2.46E-05 | 7.00E-05 | 5.79E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.19E-02 | 0.0 | 0.0 | 8.19E-05 |
| | T | 2.08E-04 | 5.96E-03 | 2.91E-04 | 2.91E-04 | 3.50E-04 | 3.83E-04 | 2.60E-04 | 7.40E-02 | 2.46E-05 | 7.00E-05 | 6.61E-04 |
| TESTES | G | 1.81E-49 | 4.21E-05 | 2.29E-04 | 2.29E-04 | 1.37E-04 | 3.10E-04 | 3.16E-04 | 3.97E-05 | 1.18E-01 | 2.54E-06 | 5.83E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.64E-01 | 0.0 | 8.19E-05 |
| | T | 1.81E-49 | 4.21E-05 | 2.29E-04 | 2.29E-04 | 1.37E-04 | 3.10E-04 | 3.16E-04 | 3.97E-05 | 2.82E-01 | 2.54E-06 | 6.65E-04 |
| THYMUS | G | 2.71E-05 | 1.87E-04 | 2.70E-04 | 2.70E-04 | 2.39E-04 | 1.60E-04 | 2.48E-04 | 2.13E-04 | 6.59E-06 | 1.31E-03 | 4.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 2.71E-05 | 1.87E-04 | 2.70E-04 | 2.70E-04 | 2.39E-04 | 1.60E-04 | 2.48E-04 | 2.13E-04 | 6.59E-06 | 1.31E-03 | 5.43E-04 |
| THYROID | G | 9.83E-06 | 2.36E-05 | 2.18E-04 | 2.18E-04 | 3.13E-04 | 1.84E-04 | 2.50E-04 | 5.80E-05 | 2.55E-06 | 1.59E-01 | 5.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.87E-01 | 8.19E-05 |
| | T | 9.83E-06 | 2.36E-05 | 2.18E-04 | 2.18E-04 | 3.13E-04 | 1.84E-04 | 2.50E-04 | 5.80E-05 | 2.55E-06 | 4.45E-01 | 6.00E-04 |
| UTERUS | G | 5.49E-03 | 2.06E-04 | 2.96E-04 | 2.96E-04 | 5.50E-04 | 2.19E-04 | 2.52E-04 | 1.91E-04 | 1.81E-49 | 9.40E-06 | 7.62E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.19E-05 |
| | T | 5.49E-03 | 2.06E-04 | 2.96E-04 | 2.96E-04 | 5.50E-04 | 2.19E-04 | 2.52E-04 | 1.91E-04 | 1.81E-49 | 9.40E-06 | 8.44E-04 |
| T BODY | G | 6.55E-04 | 6.40E-04 | 4.82E-04 | 4.82E-04 | 5.31E-04 | 4.30E-04 | 3.22E-04 | 5.61E-04 | 4.81E-04 | 4.37E-04 | 4.84E-04 |
| | B | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 | 8.19E-05 |
| | T | 7.37E-04 | 7.22E-04 | 5.63E-04 | 5.63E-04 | 6.13E-04 | 5.11E-04 | 4.04E-04 | 6.43E-04 | 5.63E-04 | 5.19E-04 | 5.66E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 21-SCANDIUM-48 (TR=4.400E 01 HOURS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.52E-01 | 1.44E-04 | 1.41E-03 | 6.56E-04 | 6.80E-04 | 2.77E-04 | 6.69E-03 | 2.59E-03 | 1.24E-03 | 1.24E-03 | 8.44E-04 |
| | B | 7.95E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.05E 00 | 1.44E-04 | 1.41E-03 | 6.56E-04 | 6.80E-04 | 2.77E-04 | 6.69E-03 | 2.59E-03 | 1.24E-03 | 1.24E-03 | 8.44E-04 |
| BLAD WALL | G | 1.46E-04 | 3.75E-02 | 2.75E-04 | 1.36E-03 | 1.11E-03 | 2.98E-03 | 2.66E-04 | 1.13E-04 | 5.38E-05 | 5.38E-05 | 9.67E-04 |
| | B | 0.0 | 2.78E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.46E-04 | 6.53E-02 | 2.75E-04 | 1.36E-03 | 1.11E-03 | 2.98E-03 | 2.66E-04 | 1.13E-04 | 5.38E-05 | 5.38E-05 | 9.67E-04 |
| GI TRACT S WALL | G | 1.59E-03 | 2.91E-04 | 2.76E-02 | 1.93E-03 | 1.89E-03 | 8.46E-04 | 1.73E-03 | 1.08E-03 | 1.08E-03 | 1.08E-03 | 7.80E-04 |
| | B | 0.0 | 0.0 | 2.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.59E-03 | 2.91E-04 | 4.98E-02 | 1.93E-03 | 1.89E-03 | 8.46E-04 | 1.73E-03 | 1.08E-03 | 1.08E-03 | 1.08E-03 | 7.80E-04 |
| SI+CONT | G | 5.49E-04 | 1.49E-03 | 1.37E-03 | 1.62E-02 | 8.44E-03 | 4.79E-03 | 1.54E-03 | 8.83E-04 | 1.83E-04 | 1.83E-04 | 8.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.39E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.49E-04 | 1.49E-03 | 1.37E-03 | 3.01E-02 | 8.44E-03 | 4.79E-03 | 1.54E-03 | 8.83E-04 | 1.83E-04 | 1.83E-04 | 8.46E-04 |
| ULI WALL | G | 6.05E-04 | 1.06E-03 | 1.75E-03 | 1.21E-02 | 2.32E-02 | 2.20E-03 | 1.58E-03 | 1.27E-03 | 2.39E-04 | 2.39E-04 | 8.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.53E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.05E-04 | 1.06E-03 | 1.75E-03 | 1.21E-02 | 4.85E-02 | 2.20E-03 | 1.58E-03 | 1.27E-03 | 2.39E-04 | 2.39E-04 | 8.98E-04 |
| LLI WALL | G | 1.61E-04 | 3.63E-03 | 7.76E-04 | 3.68E-03 | 1.75E-03 | 2.73E-02 | 5.13E-04 | 1.69E-04 | 5.00E-05 | 5.00E-05 | 9.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.61E-04 | 3.63E-03 | 7.76E-04 | 3.68E-03 | 1.75E-03 | 6.86E-02 | 5.13E-04 | 1.69E-04 | 5.00E-05 | 5.00E-05 | 9.26E-04 |
| KIDNEYS | G | 5.92E-03 | 2.25E-04 | 1.78E-03 | 1.69E-03 | 1.58E-03 | 5.24E-04 | 3.83E-02 | 2.01E-03 | 5.71E-04 | 5.71E-04 | 7.97E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.92E-03 | 2.25E-04 | 1.78E-03 | 1.69E-03 | 1.58E-03 | 5.24E-04 | 7.42E-02 | 2.01E-03 | 5.71E-04 | 5.71E-04 | 7.97E-04 |
| LIVER | G | 2.56E-03 | 1.72E-04 | 1.08E-03 | 1.03E-03 | 1.37E-03 | 2.31E-04 | 2.07E-03 | 1.36E-02 | 1.30E-03 | 1.30E-03 | 6.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.18E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.56E-03 | 1.72E-04 | 1.08E-03 | 1.03E-03 | 1.37E-03 | 2.31E-04 | 2.07E-03 | 1.98E-02 | 1.30E-03 | 1.30E-03 | 6.23E-04 |
| LUNGS | G | 1.31E-03 | 4.93E-05 | 9.73E-04 | 1.95E-04 | 2.39E-04 | 9.36E-05 | 5.50E-04 | 1.35E-03 | 7.71E-03 | 7.71E-03 | 7.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.11E-02 | 1.11E-02 | 0.0 |
| | T | 1.31E-03 | 4.93E-05 | 9.73E-04 | 1.95E-04 | 2.39E-04 | 9.36E-05 | 5.50E-04 | 1.35E-03 | 1.88E-02 | 1.88E-02 | 7.28E-04 |
| RESP LYM NODE | G | 1.31E-03 | 4.93E-05 | 9.73E-04 | 1.95E-04 | 2.39E-04 | 9.36E-05 | 5.50E-04 | 1.35E-03 | 7.71E-03 | 7.71E-03 | 7.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.11E-02 | 7.42E-01 | 0.0 |
| | T | 1.31E-03 | 4.93E-05 | 9.73E-04 | 1.95E-04 | 2.39E-04 | 9.36E-05 | 5.50E-04 | 1.35E-03 | 1.88E-02 | 7.50E-01 | 7.28E-04 |
| MUSCLE* | G | 8.44E-04 | 9.67E-04 | 7.80E-04 | 8.46E-04 | 8.13E-04 | 9.26E-04 | 7.97E-04 | 6.23E-04 | 7.28E-04 | 7.28E-04 | 8.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.97E-04 |
| | T | 8.44E-04 | 9.67E-04 | 7.80E-04 | 8.46E-04 | 8.13E-04 | 9.26E-04 | 7.97E-04 | 6.23E-04 | 7.28E-04 | 7.28E-04 | 1.24E-03 |
| OVARIES | G | 2.40E-04 | 2.79E-03 | 7.68E-04 | 5.31E-03 | 3.81E-03 | 9.22E-03 | 8.54E-04 | 4.67E-04 | 9.88E-05 | 9.88E-05 | 1.08E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.40E-04 | 2.79E-03 | 7.68E-04 | 5.31E-03 | 3.81E-03 | 9.22E-03 | 8.54E-04 | 4.67E-04 | 9.88E-05 | 9.88E-05 | 1.08E-03 |

21-SCANDIUM-48 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 4.74E-03 | 1.62E-04 | 8.92E-03 | 1.06E-03 | 1.15E-03 | 3.97E-04 | 3.71E-03 | 2.26E-03 | 1.24E-03 | 1.24E-03 | 9.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.74E-03 | 1.62E-04 | 8.92E-03 | 1.06E-03 | 1.15E-03 | 3.97E-04 | 3.71E-03 | 2.26E-03 | 1.24E-03 | 1.24E-03 | 9.68E-04 |
| SKELETON BONE | G | 7.35E-04 | 3.04E-04 | 3.20E-04 | 4.27E-04 | 3.77E-04 | 5.49E-04 | 5.28E-04 | 3.93E-04 | 5.32E-04 | 5.32E-04 | 6.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.35E-04 | 3.04E-04 | 3.20E-04 | 4.27E-04 | 3.77E-04 | 5.49E-04 | 5.28E-04 | 3.93E-04 | 5.32E-04 | 5.32E-04 | 6.23E-04 |
| R MARROW | G | 1.30E-03 | 6.31E-04 | 5.35E-04 | 1.31E-03 | 1.09E-03 | 1.62E-03 | 1.32E-03 | 5.55E-04 | 6.76E-04 | 6.76E-04 | 7.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.30E-03 | 6.31E-04 | 5.35E-04 | 1.31E-03 | 1.09E-03 | 1.62E-03 | 1.32E-03 | 5.55E-04 | 6.76E-04 | 6.76E-04 | 7.14E-04 |
| Y MARROW | G | 7.16E-04 | 2.81E-04 | 4.46E-04 | 5.85E-04 | 5.34E-04 | 6.75E-04 | 6.53E-04 | 5.87E-04 | 5.56E-04 | 5.56E-04 | 5.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.16E-04 | 2.81E-04 | 4.46E-04 | 5.85E-04 | 5.34E-04 | 6.75E-04 | 6.53E-04 | 5.87E-04 | 5.56E-04 | 5.56E-04 | 5.86E-04 |
| T E CL | G | 7.35E-04 | 3.04E-04 | 3.20E-04 | 4.27E-04 | 3.77E-04 | 5.49E-04 | 5.28E-04 | 3.93E-04 | 5.32E-04 | 5.32E-04 | 6.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.35E-04 | 3.04E-04 | 3.20E-04 | 4.27E-04 | 3.77E-04 | 5.49E-04 | 5.28E-04 | 3.93E-04 | 5.32E-04 | 5.32E-04 | 6.23E-04 |
| SKIN | G | 4.18E-04 | 3.97E-04 | 3.50E-04 | 3.33E-04 | 3.20E-04 | 3.60E-04 | 3.78E-04 | 3.54E-04 | 3.92E-04 | 3.92E-04 | 5.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.18E-04 | 3.97E-04 | 3.50E-04 | 3.33E-04 | 3.20E-04 | 3.60E-04 | 3.78E-04 | 3.54E-04 | 3.92E-04 | 3.92E-04 | 5.31E-04 |
| SPLEEN | G | 3.24E-03 | 1.37E-04 | 5.11E-03 | 8.78E-04 | 7.89E-04 | 5.86E-04 | 4.50E-03 | 6.13E-04 | 1.15E-03 | 1.15E-03 | 8.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.24E-03 | 1.37E-04 | 5.11E-03 | 8.78E-04 | 7.89E-04 | 5.86E-04 | 4.50E-03 | 6.13E-04 | 1.15E-03 | 1.15E-03 | 8.12E-04 |
| TESTES | G | 5.28E-05 | 2.56E-03 | 9.79E-05 | 3.12E-04 | 2.99E-04 | 8.38E-04 | 9.94E-05 | 1.30E-04 | 2.17E-05 | 2.17E-05 | 6.95E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.28E-05 | 2.56E-03 | 9.79E-05 | 3.12E-04 | 2.99E-04 | 8.38E-04 | 9.94E-05 | 1.30E-04 | 2.17E-05 | 2.17E-05 | 6.95E-04 |
| THYMUS | G | 3.48E-04 | 2.74E-05 | 4.59E-04 | 9.27E-05 | 9.99E-05 | 4.40E-05 | 8.85E-05 | 4.22E-04 | 2.34E-03 | 2.34E-03 | 8.83E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.48E-04 | 2.74E-05 | 4.59E-04 | 9.27E-05 | 9.99E-05 | 4.40E-05 | 8.85E-05 | 4.22E-04 | 2.34E-03 | 2.34E-03 | 8.83E-04 |
| THYROID | G | 1.31E-04 | 1.04E-05 | 1.00E-04 | 3.27E-05 | 3.45E-05 | 1.68E-05 | 6.71E-05 | 1.17E-04 | 7.08E-04 | 7.08E-04 | 7.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.31E-04 | 1.04E-05 | 1.00E-04 | 3.27E-05 | 3.45E-05 | 1.68E-05 | 6.71E-05 | 1.17E-04 | 7.08E-04 | 7.08E-04 | 7.53E-04 |
| UTERUS | G | 2.86E-04 | 7.72E-03 | 5.54E-04 | 4.52E-03 | 2.63E-03 | 3.08E-03 | 5.17E-04 | 2.57E-04 | 9.34E-05 | 9.34E-05 | 1.36E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.86E-04 | 7.72E-03 | 5.54E-04 | 4.52E-03 | 2.63E-03 | 3.08E-03 | 5.17E-04 | 2.57E-04 | 9.34E-05 | 9.34E-05 | 1.36E-03 |
| T BODY | G | 9.22E-04 | 1.01E-03 | 9.69E-04 | 1.06E-03 | 1.04E-03 | 1.03E-03 | 9.29E-04 | 9.27E-04 | 7.87E-04 | 7.87E-04 | 8.01E-04 |
| | B | 1.59E-04 | 1.79E-05 | 4.77E-05 | 1.27E-04 | 7.59E-05 | 9.42E-05 | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 |
| | T | 1.08E-03 | 1.03E-03 | 1.02E-03 | 1.19E-03 | 1.12E-03 | 1.13E-03 | 1.09E-03 | 1.09E-03 | 9.46E-04 | 9.46E-04 | 9.60E-04 |

CONTINUED NEXT PAGE

21-SCANDIUM-48 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.12E-04 | 3.80E-03 | 1.07E-03 | 1.07E-03 | 1.56E-03 | 4.07E-04 | 4.79E-04 | 3.85E-03 | 5.28E-05 | 1.26E-04 | 1.18E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 3.12E-04 | 3.80E-03 | 1.07E-03 | 1.07E-03 | 1.56E-03 | 4.07E-04 | 4.79E-04 | 3.85E-03 | 5.28E-05 | 1.26E-04 | 1.34E-03 |
| BLAD WALL | G | 3.81E-03 | 9.84E-05 | 2.92E-04 | 2.92E-04 | 6.46E-04 | 1.99E-04 | 4.55E-04 | 1.96E-04 | 2.81E-03 | 1.05E-05 | 1.11E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 3.81E-03 | 9.84E-05 | 2.92E-04 | 2.92E-04 | 6.46E-04 | 1.99E-04 | 4.55E-04 | 1.96E-04 | 2.81E-03 | 1.05E-05 | 1.27E-03 |
| GI TRACT S WALL | G | 4.62E-04 | 9.07E-03 | 3.10E-04 | 3.10E-04 | 6.60E-04 | 4.20E-04 | 3.74E-04 | 5.13E-03 | 5.29E-05 | 8.73E-05 | 8.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 4.62E-04 | 9.07E-03 | 3.10E-04 | 3.10E-04 | 6.60E-04 | 4.20E-04 | 3.74E-04 | 5.13E-03 | 5.29E-05 | 8.73E-05 | 1.04E-03 |
| SI+CONT | G | 6.02E-03 | 1.00E-03 | 4.59E-04 | 4.59E-04 | 1.40E-03 | 5.66E-04 | 3.41E-04 | 7.89E-04 | 3.05E-04 | 2.58E-05 | 1.06E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 6.02E-03 | 1.00E-03 | 4.59E-04 | 4.59E-04 | 1.40E-03 | 5.66E-04 | 3.41E-04 | 7.89E-04 | 3.05E-04 | 2.58E-05 | 1.22E-03 |
| ULI WALL | G | 5.70E-03 | 1.21E-03 | 4.35E-04 | 4.35E-04 | 1.03E-03 | 5.03E-04 | 3.63E-04 | 7.89E-04 | 2.28E-04 | 2.93E-05 | 1.00E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 5.70E-03 | 1.21E-03 | 4.35E-04 | 4.35E-04 | 1.03E-03 | 5.03E-04 | 3.63E-04 | 7.89E-04 | 2.28E-04 | 2.93E-05 | 1.16E-03 |
| LLI WALL | G | 7.21E-03 | 3.40E-04 | 5.88E-04 | 5.88E-04 | 1.60E-03 | 4.78E-04 | 3.69E-04 | 3.56E-04 | 1.28E-03 | 1.46E-05 | 1.07E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 7.21E-03 | 3.40E-04 | 5.88E-04 | 5.88E-04 | 1.60E-03 | 4.78E-04 | 3.69E-04 | 3.56E-04 | 1.28E-03 | 1.46E-05 | 1.23E-03 |
| KIDNEYS | G | 6.08E-04 | 3.28E-03 | 6.48E-04 | 6.48E-04 | 1.34E-03 | 6.49E-04 | 4.35E-04 | 4.43E-03 | 8.90E-05 | 7.85E-05 | 9.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 6.08E-04 | 3.28E-03 | 6.48E-04 | 6.48E-04 | 1.34E-03 | 6.49E-04 | 4.35E-04 | 4.43E-03 | 8.90E-05 | 7.85E-05 | 1.13E-03 |
| LIVER | G | 3.71E-04 | 2.18E-03 | 4.08E-04 | 4.08E-04 | 5.65E-04 | 6.20E-04 | 3.83E-04 | 6.03E-04 | 6.39E-05 | 1.15E-04 | 9.74E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 3.71E-04 | 2.18E-03 | 4.08E-04 | 4.08E-04 | 5.65E-04 | 6.20E-04 | 3.83E-04 | 6.03E-04 | 6.39E-05 | 1.15E-04 | 1.13E-03 |
| LUNGS | G | 9.31E-05 | 1.25E-03 | 5.52E-04 | 5.52E-04 | 6.86E-04 | 5.79E-04 | 4.04E-04 | 1.15E-03 | 1.99E-05 | 6.34E-04 | 7.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 9.31E-05 | 1.25E-03 | 5.52E-04 | 5.52E-04 | 6.86E-04 | 5.79E-04 | 4.04E-04 | 1.15E-03 | 1.99E-05 | 6.34E-04 | 9.22E-04 |
| RESP LYM NODE | G | 9.31E-05 | 1.25E-03 | 5.52E-04 | 5.52E-04 | 6.86E-04 | 5.79E-04 | 4.04E-04 | 1.15E-03 | 1.99E-05 | 6.34E-04 | 7.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 9.31E-05 | 1.25E-03 | 5.52E-04 | 5.52E-04 | 6.86E-04 | 5.79E-04 | 4.04E-04 | 1.15E-03 | 1.99E-05 | 6.34E-04 | 9.22E-04 |
| MUSCLE* | G | 1.08E-03 | 9.68E-04 | 6.23E-04 | 6.23E-04 | 7.27E-04 | 5.73E-04 | 5.31E-04 | 8.12E-04 | 6.95E-04 | 7.53E-04 | 8.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 1.08E-03 | 9.68E-04 | 6.23E-04 | 6.23E-04 | 7.27E-04 | 5.73E-04 | 5.31E-04 | 8.12E-04 | 6.95E-04 | 7.53E-04 | 9.60E-04 |
| OVARIES | G | 4.09E-01 | 5.42E-04 | 5.25E-04 | 5.25E-04 | 1.59E-03 | 5.26E-04 | 3.43E-04 | 3.17E-04 | 5.89E-49 | 1.73E-05 | 8.34E-04 |
| | B | 1.01E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 1.42E 00 | 5.42E-04 | 5.25E-04 | 5.25E-04 | 1.59E-03 | 5.26E-04 | 3.43E-04 | 3.17E-04 | 5.89E-49 | 1.73E-05 | 9.93E-04 |

21-SCANDIUM-48 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 4.76E-04 | 1.14E-01 | 5.83E-04 | 5.83E-04 | 6.47E-04 | 5.69E-04 | 2.87E-04 | 9.67E-03 | 6.55E-05 | 9.29E-05 | 8.93E-04 |
| | B | 0.0 | 1.11E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 4.76E-04 | 2.25E-01 | 5.83E-04 | 5.83E-04 | 6.47E-04 | 5.69E-04 | 2.87E-04 | 9.67E-03 | 6.55E-05 | 9.29E-05 | 1.05E-03 |
| SKELETON BONE | G | 4.88E-04 | 4.89E-04 | 1.86E-03 | 1.86E-03 | 1.24E-03 | 1.39E-03 | 4.83E-04 | 4.22E-04 | 3.63E-04 | 4.09E-04 | 7.90E-04 |
| | B | 0.0 | 0.0 | 2.23E-03 | 1.45E-03 | 5.20E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 4.88E-04 | 4.89E-04 | 4.09E-03 | 3.31E-03 | 1.76E-03 | 1.39E-03 | 4.83E-04 | 4.22E-04 | 3.63E-04 | 4.09E-04 | 9.49E-04 |
| R MARROW | G | 1.57E-03 | 9.10E-04 | 1.69E-03 | 1.69E-03 | 3.91E-03 | 1.42E-03 | 4.50E-04 | 6.13E-04 | 2.82E-04 | 4.41E-04 | 8.69E-04 |
| | B | 0.0 | 0.0 | 4.02E-05 | 2.60E-03 | 5.58E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 1.57E-03 | 9.10E-04 | 1.73E-03 | 4.29E-03 | 9.48E-03 | 1.42E-03 | 4.50E-04 | 6.13E-04 | 2.82E-04 | 4.41E-04 | 1.03E-03 |
| Y MARROW | G | 6.42E-04 | 5.77E-04 | 1.61E-03 | 1.61E-03 | 1.53E-03 | 2.35E-03 | 5.13E-04 | 6.25E-04 | 1.60E-04 | 2.24E-04 | 7.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.42E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 6.42E-04 | 5.77E-04 | 1.61E-03 | 1.61E-03 | 1.53E-03 | 9.77E-03 | 5.13E-04 | 6.25E-04 | 1.60E-04 | 2.24E-04 | 8.96E-04 |
| T E CL | G | 4.88E-04 | 4.89E-04 | 1.86E-03 | 1.86E-03 | 1.66E-03 | 1.53E-03 | 4.83E-04 | 4.22E-04 | 3.63E-04 | 4.09E-04 | 7.90E-04 |
| | B | 0.0 | 0.0 | 1.42E-03 | 2.57E-03 | 2.00E-03 | 1.85E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 4.88E-04 | 4.89E-04 | 3.28E-03 | 4.43E-03 | 3.65E-03 | 3.39E-03 | 4.83E-04 | 4.22E-04 | 3.63E-04 | 4.09E-04 | 9.49E-04 |
| SKIN | G | 3.19E-04 | 3.19E-04 | 4.91E-04 | 4.91E-04 | 4.29E-04 | 5.34E-04 | 1.16E-03 | 3.65E-04 | 8.82E-04 | 5.21E-04 | 5.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.28E-03 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 3.19E-04 | 3.19E-04 | 4.91E-04 | 4.91E-04 | 4.29E-04 | 5.34E-04 | 5.44E-03 | 3.65E-04 | 8.82E-04 | 5.21E-04 | 6.98E-04 |
| SPLEEN | G | 3.32E-04 | 9.73E-03 | 4.63E-04 | 4.63E-04 | 5.81E-04 | 6.51E-04 | 4.20E-04 | 6.89E-02 | 3.79E-05 | 1.19E-04 | 9.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.18E-02 | 0.0 | 0.0 | 1.59E-04 |
| | T | 3.32E-04 | 9.73E-03 | 4.63E-04 | 4.63E-04 | 5.81E-04 | 6.51E-04 | 4.20E-04 | 1.31E-01 | 3.79E-05 | 1.19E-04 | 1.09E-03 |
| TESTES | G | 5.89E-49 | 7.38E-05 | 3.89E-04 | 3.89E-04 | 2.07E-04 | 5.06E-04 | 5.30E-04 | 6.76E-05 | 1.93E-01 | 4.67E-06 | 9.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.18E-01 | 0.0 | 1.59E-04 |
| | T | 5.89E-49 | 7.38E-05 | 3.89E-04 | 3.89E-04 | 2.07E-04 | 5.06E-04 | 5.30E-04 | 6.76E-05 | 5.11E-01 | 4.67E-06 | 1.10E-03 |
| THYMUS | G | 4.66E-05 | 3.20E-04 | 4.20E-04 | 4.20E-04 | 4.33E-04 | 2.98E-04 | 3.94E-04 | 3.19E-04 | 1.18E-05 | 2.16E-03 | 8.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 4.66E-05 | 3.20E-04 | 4.20E-04 | 4.20E-04 | 4.33E-04 | 2.98E-04 | 3.94E-04 | 3.19E-04 | 1.18E-05 | 2.16E-03 | 9.59E-04 |
| THYROID | G | 1.73E-05 | 4.57E-05 | 3.83E-04 | 3.83E-04 | 4.96E-04 | 3.26E-04 | 4.08E-04 | 9.78E-05 | 4.67E-06 | 2.61E-01 | 8.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.56E-01 | 1.59E-04 |
| | T | 1.73E-05 | 4.57E-05 | 3.83E-04 | 3.83E-04 | 4.96E-04 | 3.26E-04 | 4.08E-04 | 9.78E-05 | 4.67E-06 | 8.17E-01 | 9.99E-04 |
| UTERUS | G | 8.94E-03 | 3.38E-04 | 4.84E-04 | 4.84E-04 | 9.06E-04 | 3.43E-04 | 4.18E-04 | 2.91E-04 | 5.89E-49 | 1.66E-05 | 1.23E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 8.94E-03 | 3.38E-04 | 4.84E-04 | 4.84E-04 | 9.06E-04 | 3.43E-04 | 4.18E-04 | 2.91E-04 | 5.89E-49 | 1.66E-05 | 1.39E-03 |
| T BODY | G | 1.08E-03 | 1.05E-03 | 7.94E-04 | 7.94E-04 | 8.75E-04 | 7.08E-04 | 5.32E-04 | 9.23E-04 | 7.94E-04 | 7.20E-04 | 7.96E-04 |
| | B | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 | 1.59E-04 |
| | T | 1.24E-03 | 1.21E-03 | 9.53E-04 | 9.53E-04 | 1.03E-03 | 8.67E-04 | 6.91E-04 | 1.08E-03 | 9.53E-04 | 8.79E-04 | 9.55E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-KONIJN, J. ET AL., NUCL. PHYS. A90, 558 (1967)
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 23-VANADIUM-48 (TR=1.620E 01 DAYS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.21E-01 | 1.24E-04 | 1.23E-03 | 5.79E-04 | 5.68E-04 | 2.42E-04 | 5.84E-03 | 2.27E-03 | 1.08E-03 | 1.08E-03 | 7.36E-04 |
| | B | 5.26E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.47E-01 | 1.24E-04 | 1.23E-03 | 5.79E-04 | 5.68E-04 | 2.42E-04 | 5.84E-03 | 2.27E-03 | 1.08E-03 | 1.08E-03 | 7.36E-04 |
| BLAD WALL | G | 1.15E-04 | 3.33E-02 | 2.35E-04 | 1.31E-03 | 9.44E-04 | 2.66E-03 | 2.23E-04 | 1.15E-04 | 4.55E-05 | 4.55E-05 | 8.46E-04 |
| | B | 0.0 | 1.84E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.15E-04 | 5.17E-02 | 2.35E-04 | 1.31E-03 | 9.44E-04 | 2.66E-03 | 2.23E-04 | 1.15E-04 | 4.55E-05 | 4.55E-05 | 8.46E-04 |
| GI TRACT S WALL | G | 1.38E-03 | 2.33E-04 | 2.41E-02 | 1.67E-03 | 1.65E-03 | 7.65E-04 | 1.52E-03 | 9.39E-04 | 9.33E-04 | 9.33E-04 | 6.80E-04 |
| | B | 0.0 | 0.0 | 1.47E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.38E-03 | 2.33E-04 | 3.89E-02 | 1.67E-03 | 1.65E-03 | 7.65E-04 | 1.52E-03 | 9.39E-04 | 9.33E-04 | 9.33E-04 | 6.80E-04 |
| SI+CONT | G | 4.81E-04 | 1.29E-03 | 1.20E-03 | 1.43E-02 | 7.42E-03 | 4.19E-03 | 1.34E-03 | 7.70E-04 | 1.56E-04 | 1.56E-04 | 7.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 9.21E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.81E-04 | 1.29E-03 | 1.20E-03 | 2.35E-02 | 7.42E-03 | 4.19E-03 | 1.34E-03 | 7.70E-04 | 1.56E-04 | 1.56E-04 | 7.39E-04 |
| ULI WALL | G | 5.18E-04 | 9.71E-04 | 1.55E-03 | 1.06E-02 | 2.02E-02 | 1.95E-03 | 1.38E-03 | 1.13E-03 | 2.06E-04 | 2.06E-04 | 7.83E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.18E-04 | 9.71E-04 | 1.55E-03 | 1.06E-02 | 3.70E-02 | 1.95E-03 | 1.38E-03 | 1.13E-03 | 2.06E-04 | 2.06E-04 | 7.83E-04 |
| LLI WALL | G | 1.53E-04 | 3.23E-03 | 6.66E-04 | 3.22E-03 | 1.50E-03 | 2.40E-02 | 4.50E-04 | 1.53E-04 | 4.17E-05 | 4.17E-05 | 8.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.53E-04 | 3.23E-03 | 6.66E-04 | 3.22E-03 | 1.50E-03 | 5.13E-02 | 4.50E-04 | 1.53E-04 | 4.17E-05 | 4.17E-05 | 8.09E-04 |
| KIDNEYS | G | 5.20E-03 | 2.00E-04 | 1.56E-03 | 1.47E-03 | 1.36E-03 | 4.48E-04 | 3.38E-02 | 1.77E-03 | 5.02E-04 | 5.02E-04 | 6.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.38E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.20E-03 | 2.00E-04 | 1.56E-03 | 1.47E-03 | 1.36E-03 | 4.48E-04 | 5.76E-02 | 1.77E-03 | 5.02E-04 | 5.02E-04 | 6.94E-04 |
| LIVER | G | 2.26E-03 | 1.48E-04 | 9.52E-04 | 8.90E-04 | 1.19E-03 | 1.98E-04 | 1.83E-03 | 1.19E-02 | 1.13E-03 | 1.13E-03 | 5.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.09E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.26E-03 | 1.48E-04 | 9.52E-04 | 8.90E-04 | 1.19E-03 | 1.98E-04 | 1.83E-03 | 1.60E-02 | 1.13E-03 | 1.13E-03 | 5.42E-04 |
| LUNGS | G | 1.14E-03 | 4.01E-05 | 8.58E-04 | 1.69E-04 | 2.01E-04 | 7.69E-05 | 4.75E-04 | 1.17E-03 | 6.79E-03 | 6.79E-03 | 6.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.37E-03 | 7.37E-03 | 0.0 |
| | T | 1.14E-03 | 4.01E-05 | 8.58E-04 | 1.69E-04 | 2.01E-04 | 7.69E-05 | 4.75E-04 | 1.17E-03 | 1.42E-02 | 1.42E-02 | 6.37E-04 |
| RESP LYM NODE | G | 1.14E-03 | 4.01E-05 | 8.58E-04 | 1.69E-04 | 2.01E-04 | 7.69E-05 | 4.75E-04 | 1.17E-03 | 6.78E-03 | 6.79E-03 | 6.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.28E-03 | 4.91E-01 | 0.0 |
| | T | 1.14E-03 | 4.01E-05 | 8.58E-04 | 1.69E-04 | 2.01E-04 | 7.69E-05 | 4.75E-04 | 1.17E-03 | 1.41E-02 | 4.98E-01 | 6.37E-04 |
| MUSCLE* | G | 7.36E-04 | 8.46E-04 | 6.80E-04 | 7.39E-04 | 7.10E-04 | 8.09E-04 | 6.94E-04 | 5.42E-04 | 6.37E-04 | 6.37E-04 | 7.32E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 7.36E-04 | 8.46E-04 | 6.80E-04 | 7.39E-04 | 7.10E-04 | 8.09E-04 | 6.94E-04 | 5.42E-04 | 6.37E-04 | 6.37E-04 | 9.96E-04 |
| OVARIES | G | 2.08E-04 | 2.63E-03 | 5.73E-04 | 4.45E-03 | 3.84E-03 | 7.92E-03 | 6.95E-04 | 3.58E-04 | 8.46E-05 | 8.46E-05 | 9.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.08E-04 | 2.63E-03 | 5.73E-04 | 4.45E-03 | 3.84E-03 | 7.92E-03 | 6.95E-04 | 3.58E-04 | 8.46E-05 | 8.46E-05 | 9.44E-04 |

23-VANADIUM-48 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 4.11E-03 | 1.39E-04 | 7.89E-03 | 9.28E-04 | 9.77E-04 | 3.47E-04 | 3.19E-03 | 2.02E-03 | 1.14E-03 | 1.14E-03 | 8.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.11E-03 | 1.39E-04 | 7.89E-03 | 9.28E-04 | 9.77E-04 | 3.47E-04 | 3.19E-03 | 2.02E-03 | 1.14E-03 | 1.14E-03 | 8.49E-04 |
| SKELETON BONE | G | 6.42E-04 | 2.68E-04 | 2.81E-04 | 3.72E-04 | 3.32E-04 | 4.82E-04 | 4.63E-04 | 3.46E-04 | 4.66E-04 | 4.66E-04 | 5.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.42E-04 | 2.68E-04 | 2.81E-04 | 3.72E-04 | 3.32E-04 | 4.82E-04 | 4.63E-04 | 3.46E-04 | 4.66E-04 | 4.66E-04 | 5.43E-04 |
| R MARROW | G | 1.13E-03 | 5.58E-04 | 4.71E-04 | 1.15E-03 | 9.64E-04 | 1.42E-03 | 1.16E-03 | 4.93E-04 | 5.91E-04 | 5.91E-04 | 6.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.13E-03 | 5.58E-04 | 4.71E-04 | 1.15E-03 | 9.64E-04 | 1.42E-03 | 1.16E-03 | 4.93E-04 | 5.91E-04 | 5.91E-04 | 6.28E-04 |
| Y MARROW | G | 6.25E-04 | 2.48E-04 | 3.93E-04 | 5.10E-04 | 4.71E-04 | 5.94E-04 | 5.72E-04 | 5.14E-04 | 4.87E-04 | 4.87E-04 | 5.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.25E-04 | 2.48E-04 | 3.93E-04 | 5.10E-04 | 4.71E-04 | 5.94E-04 | 5.72E-04 | 5.14E-04 | 4.87E-04 | 4.87E-04 | 5.15E-04 |
| T E CL | G | 6.42E-04 | 2.68E-04 | 2.81E-04 | 3.72E-04 | 3.32E-04 | 4.82E-04 | 4.63E-04 | 3.46E-04 | 4.66E-04 | 4.66E-04 | 5.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.42E-04 | 2.68E-04 | 2.81E-04 | 3.72E-04 | 3.32E-04 | 4.82E-04 | 4.63E-04 | 3.46E-04 | 4.66E-04 | 4.66E-04 | 5.43E-04 |
| SKIN | G | 3.59E-04 | 3.40E-04 | 3.03E-04 | 2.85E-04 | 2.78E-04 | 3.11E-04 | 3.29E-04 | 3.07E-04 | 3.40E-04 | 3.40E-04 | 4.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.59E-04 | 3.40E-04 | 3.03E-04 | 2.85E-04 | 2.78E-04 | 3.11E-04 | 3.29E-04 | 3.07E-04 | 3.40E-04 | 3.40E-04 | 4.59E-04 |
| SPLEEN | G | 2.86E-03 | 1.17E-04 | 4.46E-03 | 7.69E-04 | 6.72E-04 | 4.98E-04 | 3.92E-03 | 5.19E-04 | 9.91E-04 | 9.91E-04 | 7.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.86E-03 | 1.17E-04 | 4.46E-03 | 7.69E-04 | 6.72E-04 | 4.98E-04 | 3.92E-03 | 5.19E-04 | 9.91E-04 | 9.91E-04 | 7.08E-04 |
| TESTES | G | 4.45E-05 | 2.26E-03 | 7.26E-05 | 2.58E-04 | 2.55E-04 | 7.86E-04 | 8.48E-05 | 9.93E-05 | 1.81E-05 | 1.81E-05 | 6.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.45E-05 | 2.26E-03 | 7.26E-05 | 2.58E-04 | 2.55E-04 | 7.86E-04 | 8.48E-05 | 9.93E-05 | 1.81E-05 | 1.81E-05 | 6.08E-04 |
| THYMUS | G | 3.35E-04 | 2.28E-05 | 3.41E-04 | 7.91E-05 | 8.54E-05 | 3.71E-05 | 1.07E-04 | 4.20E-04 | 1.99E-03 | 1.99E-03 | 8.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.35E-04 | 2.28E-05 | 3.41E-04 | 7.91E-05 | 8.54E-05 | 3.71E-05 | 1.07E-04 | 4.20E-04 | 1.99E-03 | 1.99E-03 | 8.04E-04 |
| THYROID | G | 1.12E-04 | 8.56E-06 | 8.56E-05 | 2.74E-05 | 2.89E-05 | 1.40E-05 | 5.69E-05 | 1.00E-04 | 5.96E-04 | 5.96E-04 | 6.58E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-04 | 8.56E-06 | 8.56E-05 | 2.74E-05 | 2.89E-05 | 1.40E-05 | 5.69E-05 | 1.00E-04 | 5.96E-04 | 5.96E-04 | 6.58E-04 |
| UTERUS | G | 2.31E-04 | 6.76E-03 | 4.76E-04 | 3.97E-03 | 2.28E-03 | 2.68E-03 | 4.49E-04 | 2.30E-04 | 8.01E-05 | 8.01E-05 | 1.11E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.31E-04 | 6.76E-03 | 4.76E-04 | 3.97E-03 | 2.28E-03 | 2.68E-03 | 4.49E-04 | 2.30E-04 | 8.01E-05 | 8.01E-05 | 1.11E-03 |
| T BODY | G | 8.05E-04 | 8.85E-04 | 8.47E-04 | 9.28E-04 | 9.09E-04 | 9.02E-04 | 8.12E-04 | 8.11E-04 | 6.88E-04 | 6.88E-04 | 6.98E-04 |
| | B | 1.05E-04 | 1.18E-05 | 3.16E-05 | 8.42E-05 | 5.03E-05 | 6.24E-05 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 |
| | T | 9.10E-04 | 8.97E-04 | 8.78E-04 | 1.01E-03 | 9.59E-04 | 9.65E-04 | 9.17E-04 | 9.16E-04 | 7.93E-04 | 7.93E-04 | 8.03E-04 |

CONTINUED NEXT PAGE

23-VANADIUM-48 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.76E-04 | 3.48E-03 | 9.14E-04 | 9.14E-04 | 1.22E-03 | 4.10E-04 | 4.02E-04 | 3.24E-03 | 4.45E-05 | 1.08E-04 | 1.08E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 2.76E-04 | 3.48E-03 | 9.14E-04 | 9.14E-04 | 1.22E-03 | 4.10E-04 | 4.02E-04 | 3.24E-03 | 4.45E-05 | 1.08E-04 | 1.18E-03 |
| BLAD WALL | G | 3.28E-03 | 9.61E-05 | 2.79E-04 | 2.79E-04 | 5.17E-04 | 1.68E-04 | 3.81E-04 | 1.49E-04 | 2.43E-03 | 8.60E-06 | 9.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 3.28E-03 | 9.61E-05 | 2.79E-04 | 2.79E-04 | 5.17E-04 | 1.68E-04 | 3.81E-04 | 1.49E-04 | 2.43E-03 | 8.60E-06 | 1.05E-03 |
| GI TRACT S WALL | G | 4.13E-04 | 7.94E-03 | 2.75E-04 | 2.75E-04 | 5.53E-04 | 3.64E-04 | 3.23E-04 | 4.55E-03 | 5.02E-05 | 7.53E-05 | 7.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 4.13E-04 | 7.94E-03 | 2.75E-04 | 2.75E-04 | 5.53E-04 | 3.64E-04 | 3.23E-04 | 4.55E-03 | 5.02E-05 | 7.53E-05 | 8.79E-04 |
| SI+CONT | G | 5.33E-03 | 8.68E-04 | 3.95E-04 | 3.95E-04 | 1.23E-03 | 4.97E-04 | 2.92E-04 | 6.87E-04 | 2.67E-04 | 1.97E-05 | 9.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 5.33E-03 | 8.68E-04 | 3.95E-04 | 3.95E-04 | 1.23E-03 | 4.97E-04 | 2.92E-04 | 6.87E-04 | 2.67E-04 | 1.97E-05 | 1.04E-03 |
| ULI WALL | G | 5.03E-03 | 1.05E-03 | 3.70E-04 | 3.70E-04 | 9.18E-04 | 4.39E-04 | 3.07E-04 | 6.89E-04 | 1.93E-04 | 2.28E-05 | 8.84E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 5.03E-03 | 1.05E-03 | 3.70E-04 | 3.70E-04 | 9.18E-04 | 4.39E-04 | 3.07E-04 | 6.89E-04 | 1.93E-04 | 2.28E-05 | 9.89E-04 |
| LLI WALL | G | 6.38E-03 | 2.94E-04 | 4.98E-04 | 4.98E-04 | 1.41E-03 | 4.20E-04 | 3.15E-04 | 3.18E-04 | 1.18E-03 | 1.21E-05 | 9.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 6.38E-03 | 2.94E-04 | 4.98E-04 | 4.98E-04 | 1.41E-03 | 4.20E-04 | 3.15E-04 | 3.18E-04 | 1.18E-03 | 1.21E-05 | 1.05E-03 |
| KIDNEYS | G | 5.35E-04 | 2.88E-03 | 5.33E-04 | 5.33E-04 | 1.17E-03 | 5.69E-04 | 3.76E-04 | 3.91E-03 | 7.33E-05 | 6.22E-05 | 8.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 5.35E-04 | 2.88E-03 | 5.33E-04 | 5.33E-04 | 1.17E-03 | 5.69E-04 | 3.76E-04 | 3.91E-03 | 7.33E-05 | 6.22E-05 | 9.43E-04 |
| LIVER | G | 3.20E-04 | 1.91E-03 | 3.54E-04 | 3.54E-04 | 4.96E-04 | 5.39E-04 | 3.34E-04 | 5.25E-04 | 5.11E-05 | 9.80E-05 | 8.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 3.20E-04 | 1.91E-03 | 3.54E-04 | 3.54E-04 | 4.96E-04 | 5.39E-04 | 3.34E-04 | 5.25E-04 | 5.11E-05 | 9.80E-05 | 9.47E-04 |
| LUNGS | G | 7.73E-05 | 1.10E-03 | 4.80E-04 | 4.80E-04 | 5.96E-04 | 5.01E-04 | 3.49E-04 | 1.01E-03 | 1.61E-05 | 5.44E-04 | 6.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 7.73E-05 | 1.10E-03 | 4.80E-04 | 4.80E-04 | 5.96E-04 | 5.01E-04 | 3.49E-04 | 1.01E-03 | 1.61E-05 | 5.44E-04 | 7.83E-04 |
| RESP LYM NODE | G | 7.73E-05 | 1.10E-03 | 4.80E-04 | 4.80E-04 | 5.96E-04 | 5.01E-04 | 3.49E-04 | 1.01E-03 | 1.61E-05 | 5.44E-04 | 6.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 7.73E-05 | 1.10E-03 | 4.80E-04 | 4.80E-04 | 5.96E-04 | 5.01E-04 | 3.49E-04 | 1.01E-03 | 1.61E-05 | 5.44E-04 | 7.83E-04 |
| MUSCLE* | G | 9.44E-04 | 8.49E-04 | 5.43E-04 | 5.43E-04 | 6.34E-04 | 5.00E-04 | 4.59E-04 | 7.08E-04 | 6.08E-04 | 6.58E-04 | 6.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 9.44E-04 | 8.49E-04 | 5.43E-04 | 5.43E-04 | 6.34E-04 | 5.00E-04 | 4.59E-04 | 7.08E-04 | 6.08E-04 | 6.58E-04 | 8.03E-04 |
| OVARIES | G | 3.61E-01 | 4.10E-04 | 4.69E-04 | 4.69E-04 | 1.48E-03 | 4.48E-04 | 2.69E-04 | 3.22E-04 | 4.01E-46 | 1.44E-05 | 7.71E-04 |
| | B | 6.70E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 1.03E 00 | 4.10E-04 | 4.69E-04 | 4.69E-04 | 1.48E-03 | 4.48E-04 | 2.69E-04 | 3.22E-04 | 4.01E-46 | 1.44E-05 | 8.77E-04 |

23-VANADIUM-48 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.74E-04 | 1.00E-01 | 5.01E-04 | 5.01E-04 | 6.18E-04 | 5.23E-04 | 2.59E-04 | 8.56E-03 | 5.18E-05 | 8.40E-05 | 7.97E-04 |
| | B | 0.0 | 7.37E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 3.74E-04 | 1.74E-01 | 5.01E-04 | 5.01E-04 | 6.18E-04 | 5.23E-04 | 2.59E-04 | 8.56E-03 | 5.18E-05 | 8.40E-05 | 9.03E-04 |
| SKELETON BONE | G | 4.28E-04 | 4.30E-04 | 1.63E-03 | 1.63E-03 | 1.08E-03 | 1.21E-03 | 4.20E-04 | 3.68E-04 | 3.16E-04 | 3.59E-04 | 6.94E-04 |
| | B | 0.0 | 0.0 | 1.47E-03 | 9.38E-04 | 3.58E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 4.28E-04 | 4.30E-04 | 3.10E-03 | 2.57E-03 | 1.44E-03 | 1.21E-03 | 4.20E-04 | 3.68E-04 | 3.16E-04 | 3.59E-04 | 7.99E-04 |
| R MARROW | G | 1.38E-03 | 8.00E-04 | 1.47E-03 | 1.47E-03 | 3.44E-03 | 1.25E-03 | 3.91E-04 | 5.35E-04 | 2.47E-04 | 3.90E-04 | 7.62E-04 |
| | B | 0.0 | 0.0 | 3.70E-05 | 1.79E-03 | 3.62E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 1.38E-03 | 8.00E-04 | 1.51E-03 | 3.26E-03 | 7.07E-03 | 1.25E-03 | 3.91E-04 | 5.35E-04 | 2.47E-04 | 3.90E-04 | 8.67E-04 |
| Y MARROW | G | 5.64E-04 | 5.06E-04 | 1.40E-03 | 1.40E-03 | 1.34E-03 | 2.07E-03 | 4.45E-04 | 5.46E-04 | 1.40E-04 | 1.96E-04 | 6.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.91E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 5.64E-04 | 5.06E-04 | 1.40E-03 | 1.40E-03 | 1.34E-03 | 6.98E-03 | 4.45E-04 | 5.46E-04 | 1.40E-04 | 1.96E-04 | 7.52E-04 |
| T E CL | G | 4.28E-04 | 4.30E-04 | 1.63E-03 | 1.63E-03 | 1.46E-03 | 1.34E-03 | 4.20E-04 | 3.68E-04 | 3.16E-04 | 3.59E-04 | 6.94E-04 |
| | B | 0.0 | 0.0 | 9.37E-04 | 1.64E-03 | 1.36E-03 | 1.23E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 4.28E-04 | 4.30E-04 | 2.56E-03 | 3.27E-03 | 2.82E-03 | 2.57E-03 | 4.20E-04 | 3.68E-04 | 3.16E-04 | 3.59E-04 | 7.99E-04 |
| SKIN | G | 2.73E-04 | 2.72E-04 | 4.28E-04 | 4.28E-04 | 3.74E-04 | 4.67E-04 | 1.01E-03 | 3.16E-04 | 7.71E-04 | 4.48E-04 | 4.65E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.83E-03 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 2.73E-04 | 2.72E-04 | 4.28E-04 | 4.28E-04 | 3.74E-04 | 4.67E-04 | 3.85E-03 | 3.16E-04 | 7.71E-04 | 4.48E-04 | 5.70E-04 |
| SPLEEN | G | 2.98E-04 | 8.60E-03 | 3.97E-04 | 3.97E-04 | 4.82E-04 | 5.55E-04 | 3.51E-04 | 6.06E-02 | 4.02E-05 | 9.51E-05 | 8.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.09E-02 | 0.0 | 0.0 | 1.05E-04 |
| | T | 2.98E-04 | 8.60E-03 | 3.97E-04 | 3.97E-04 | 4.82E-04 | 5.55E-04 | 3.51E-04 | 1.02E-01 | 4.02E-05 | 9.51E-05 | 9.21E-04 |
| TESTES | G | 4.01E-46 | 5.88E-05 | 3.35E-04 | 3.35E-04 | 1.80E-04 | 4.45E-04 | 4.52E-04 | 5.73E-05 | 1.69E-01 | 3.80E-06 | 8.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.11E-01 | 0.0 | 1.05E-04 |
| | T | 4.01E-46 | 5.88E-05 | 3.35E-04 | 3.35E-04 | 1.80E-04 | 4.45E-04 | 4.52E-04 | 5.73E-05 | 3.80E-01 | 3.80E-06 | 9.38E-04 |
| THYMUS | G | 3.92E-05 | 2.80E-04 | 3.57E-04 | 3.57E-04 | 3.59E-04 | 2.57E-04 | 3.57E-04 | 2.56E-04 | 9.68E-06 | 1.95E-03 | 7.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 3.92E-05 | 2.80E-04 | 3.57E-04 | 3.57E-04 | 3.59E-04 | 2.57E-04 | 3.57E-04 | 2.56E-04 | 9.68E-06 | 1.95E-03 | 8.29E-04 |
| THYROID | G | 1.43E-05 | 5.58E-05 | 3.86E-04 | 3.86E-04 | 4.26E-04 | 2.79E-04 | 3.67E-04 | 8.35E-05 | 3.80E-06 | 2.29E-01 | 7.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.69E-01 | 1.05E-04 |
| | T | 1.43E-05 | 5.58E-05 | 3.86E-04 | 3.86E-04 | 4.26E-04 | 2.79E-04 | 3.67E-04 | 8.35E-05 | 3.80E-06 | 5.98E-01 | 8.24E-04 |
| UTERUS | G | 7.93E-03 | 2.97E-04 | 3.84E-04 | 3.84E-04 | 8.14E-04 | 2.99E-04 | 3.45E-04 | 2.38E-04 | 4.01E-46 | 1.37E-05 | 1.01E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-04 |
| | T | 7.93E-03 | 2.97E-04 | 3.84E-04 | 3.84E-04 | 8.14E-04 | 2.99E-04 | 3.45E-04 | 2.38E-04 | 4.01E-46 | 1.37E-05 | 1.11E-03 |
| T BODY | G | 9.43E-04 | 9.23E-04 | 6.92E-04 | 6.92E-04 | 7.64E-04 | 6.18E-04 | 4.60E-04 | 8.07E-04 | 6.93E-04 | 6.29E-04 | 6.94E-04 |
| | B | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 |
| | T | 1.05E-03 | 1.03E-03 | 7.97E-04 | 7.97E-04 | 8.69E-04 | 7.23E-04 | 5.66E-04 | 9.12E-04 | 7.98E-04 | 7.34E-04 | 7.99E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-KONIJN, J. ET AL., NUCL. PHYS. A90, 558 (1967)
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 25-MANGANESE-56 (TR=2.576E 00 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.22E-01 | 7.09E-05 | 6.67E-04 | 3.47E-04 | 3.06E-04 | 1.36E-04 | 3.13E-03 | 1.33E-03 | 5.08E-04 | 5.08E-04 | 4.08E-04 |
| | B | 3.08E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.20E 00 | 7.09E-05 | 6.67E-04 | 3.47E-04 | 3.06E-04 | 1.36E-04 | 3.13E-03 | 1.33E-03 | 5.08E-04 | 5.08E-04 | 4.08E-04 |
| BLAD WALL | G | 6.94E-05 | 1.84E-02 | 1.19E-04 | 7.18E-04 | 5.78E-04 | 1.47E-03 | 1.18E-04 | 7.13E-05 | 2.71E-05 | 2.71E-05 | 4.70E-04 |
| | B | 0.0 | 1.08E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.94E-05 | 1.26E-01 | 1.19E-04 | 7.18E-04 | 5.78E-04 | 1.47E-03 | 1.18E-04 | 7.13E-05 | 2.71E-05 | 2.71E-05 | 4.70E-04 |
| GI TRACT S WALL | G | 7.25E-04 | 1.42E-04 | 1.33E-02 | 9.18E-04 | 9.29E-04 | 4.56E-04 | 8.80E-04 | 5.35E-04 | 5.38E-04 | 5.38E-04 | 3.77E-04 |
| | B | 0.0 | 0.0 | 8.62E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.25E-04 | 1.42E-04 | 9.95E-02 | 9.18E-04 | 9.29E-04 | 4.56E-04 | 8.80E-04 | 5.35E-04 | 5.38E-04 | 5.38E-04 | 3.77E-04 |
| SI+CONT | G | 2.72E-04 | 7.35E-04 | 6.84E-04 | 7.81E-03 | 4.05E-03 | 2.32E-03 | 7.41E-04 | 4.26E-04 | 9.32E-05 | 9.32E-05 | 4.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 5.39E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.72E-04 | 7.35E-04 | 6.84E-04 | 6.17E-02 | 4.05E-03 | 2.32E-03 | 7.41E-04 | 4.26E-04 | 9.32E-05 | 9.32E-05 | 4.10E-04 |
| ULI WALL | G | 3.02E-04 | 5.41E-04 | 8.23E-04 | 5.88E-03 | 1.11E-02 | 1.05E-03 | 7.31E-04 | 6.35E-04 | 1.18E-04 | 1.18E-04 | 4.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 9.80E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.02E-04 | 5.41E-04 | 8.23E-04 | 5.88E-03 | 1.09E-01 | 1.05E-03 | 7.31E-04 | 6.35E-04 | 1.18E-04 | 1.18E-04 | 4.33E-04 |
| LLI WALL | G | 9.84E-05 | 1.81E-03 | 3.65E-04 | 1.82E-03 | 8.05E-04 | 1.31E-02 | 2.53E-04 | 8.54E-05 | 2.29E-05 | 2.29E-05 | 4.50E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.84E-05 | 1.81E-03 | 3.65E-04 | 1.82E-03 | 8.05E-04 | 1.73E-01 | 2.53E-04 | 8.54E-05 | 2.29E-05 | 2.29E-05 | 4.50E-04 |
| KIDNEYS | G | 2.91E-03 | 1.10E-04 | 8.51E-04 | 8.13E-04 | 7.24E-04 | 2.73E-04 | 1.84E-02 | 9.89E-04 | 2.55E-04 | 2.55E-04 | 3.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.91E-03 | 1.10E-04 | 8.51E-04 | 8.13E-04 | 7.24E-04 | 2.73E-04 | 1.58E-01 | 9.89E-04 | 2.55E-04 | 2.55E-04 | 3.86E-04 |
| LIVER | G | 1.25E-03 | 9.16E-05 | 5.43E-04 | 4.97E-04 | 6.64E-04 | 1.10E-04 | 1.02E-03 | 6.53E-03 | 6.21E-04 | 6.21E-04 | 3.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.40E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.25E-03 | 9.16E-05 | 5.43E-04 | 4.97E-04 | 6.64E-04 | 1.10E-04 | 1.02E-03 | 3.05E-02 | 6.21E-04 | 6.21E-04 | 3.02E-04 |
| LUNGS | G | 6.28E-04 | 2.47E-05 | 4.69E-04 | 9.88E-05 | 1.12E-04 | 5.17E-05 | 2.62E-04 | 6.45E-04 | 3.71E-03 | 3.71E-03 | 3.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-02 | 4.31E-02 | 0.0 |
| | T | 6.28E-04 | 2.47E-05 | 4.69E-04 | 9.88E-05 | 1.12E-04 | 5.17E-05 | 2.62E-04 | 6.45E-04 | 4.68E-02 | 4.68E-02 | 3.53E-04 |
| RESP LYM NODE | G | 6.28E-04 | 2.47E-05 | 4.69E-04 | 9.88E-05 | 1.12E-04 | 5.17E-05 | 2.62E-04 | 6.45E-04 | 3.71E-03 | 3.71E-03 | 3.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-02 | 2.87E 00 | 0.0 |
| | T | 6.28E-04 | 2.47E-05 | 4.69E-04 | 9.88E-05 | 1.12E-04 | 5.17E-05 | 2.62E-04 | 6.45E-04 | 4.68E-02 | 2.88E 00 | 3.53E-04 |
| MUSCLE* | G | 4.08E-04 | 4.70E-04 | 3.77E-04 | 4.10E-04 | 3.96E-04 | 4.50E-04 | 3.86E-04 | 3.02E-04 | 3.53E-04 | 3.53E-04 | 4.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-03 |
| | T | 4.08E-04 | 4.70E-04 | 3.77E-04 | 4.10E-04 | 3.96E-04 | 4.50E-04 | 3.86E-04 | 3.02E-04 | 3.53E-04 | 3.53E-04 | 1.94E-03 |
| OVARIES | G | 1.36E-04 | 1.45E-03 | 2.96E-04 | 2.34E-03 | 2.53E-03 | 4.34E-03 | 3.63E-04 | 1.88E-04 | 4.92E-05 | 4.92E-05 | 5.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.36E-04 | 1.45E-03 | 2.96E-04 | 2.34E-03 | 2.53E-03 | 4.34E-03 | 3.63E-04 | 1.88E-04 | 4.92E-05 | 4.92E-05 | 5.23E-04 |

25-MANGANESE-56 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.25E-03 | 9.45E-05 | 4.27E-03 | 5.27E-04 | 5.78E-04 | 2.05E-04 | 1.65E-03 | 1.06E-03 | 6.04E-04 | 6.04E-04 | 4.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.25E-03 | 9.45E-05 | 4.27E-03 | 5.27E-04 | 5.78E-04 | 2.05E-04 | 1.65E-03 | 1.06E-03 | 6.04E-04 | 6.04E-04 | 4.73E-04 |
| SKELETON BONE | G | 3.56E-04 | 1.52E-04 | 1.58E-04 | 2.08E-04 | 1.86E-04 | 2.70E-04 | 2.56E-04 | 1.95E-04 | 2.63E-04 | 2.63E-04 | 3.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.56E-04 | 1.52E-04 | 1.58E-04 | 2.08E-04 | 1.86E-04 | 2.70E-04 | 2.56E-04 | 1.95E-04 | 2.63E-04 | 2.63E-04 | 3.03E-04 |
| R MARROW | G | 6.30E-04 | 3.12E-04 | 2.62E-04 | 6.33E-04 | 5.39E-04 | 7.89E-04 | 6.38E-04 | 2.79E-04 | 3.33E-04 | 3.33E-04 | 3.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.30E-04 | 3.12E-04 | 2.62E-04 | 6.33E-04 | 5.39E-04 | 7.89E-04 | 6.38E-04 | 2.79E-04 | 3.33E-04 | 3.33E-04 | 3.55E-04 |
| Y MARROW | G | 3.49E-04 | 1.43E-04 | 2.20E-04 | 2.84E-04 | 2.61E-04 | 3.32E-04 | 3.15E-04 | 2.88E-04 | 2.77E-04 | 2.77E-04 | 2.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.49E-04 | 1.43E-04 | 2.20E-04 | 2.84E-04 | 2.61E-04 | 3.32E-04 | 3.15E-04 | 2.88E-04 | 2.77E-04 | 2.77E-04 | 2.88E-04 |
| T E CL | G | 3.56E-04 | 1.52E-04 | 1.58E-04 | 2.08E-04 | 1.86E-04 | 2.70E-04 | 2.56E-04 | 1.95E-04 | 2.63E-04 | 2.63E-04 | 3.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.56E-04 | 1.52E-04 | 1.58E-04 | 2.08E-04 | 1.86E-04 | 2.70E-04 | 2.56E-04 | 1.95E-04 | 2.63E-04 | 2.63E-04 | 3.03E-04 |
| SKIN | G | 1.96E-04 | 1.90E-04 | 1.76E-04 | 1.58E-04 | 1.59E-04 | 1.76E-04 | 1.88E-04 | 1.77E-04 | 1.91E-04 | 1.91E-04 | 2.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.96E-04 | 1.90E-04 | 1.76E-04 | 1.58E-04 | 1.59E-04 | 1.76E-04 | 1.88E-04 | 1.77E-04 | 1.91E-04 | 1.91E-04 | 2.56E-04 |
| SPLEEN | G | 1.59E-03 | 7.80E-05 | 2.41E-03 | 4.35E-04 | 3.57E-04 | 2.82E-04 | 2.13E-03 | 2.89E-04 | 5.66E-04 | 5.66E-04 | 3.92E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.59E-03 | 7.80E-05 | 2.41E-03 | 4.35E-04 | 3.57E-04 | 2.82E-04 | 2.13E-03 | 2.89E-04 | 5.66E-04 | 5.66E-04 | 3.92E-04 |
| TESTES | G | 2.67E-05 | 1.28E-03 | 4.34E-05 | 1.57E-04 | 1.50E-04 | 4.83E-04 | 4.94E-05 | 5.15E-05 | 1.13E-05 | 1.13E-05 | 3.65E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.67E-05 | 1.28E-03 | 4.34E-05 | 1.57E-04 | 1.50E-04 | 4.83E-04 | 4.94E-05 | 5.15E-05 | 1.13E-05 | 1.13E-05 | 3.65E-04 |
| THYMUS | G | 1.95E-04 | 1.42E-05 | 1.71E-04 | 4.62E-05 | 4.97E-05 | 2.23E-05 | 5.37E-05 | 2.48E-04 | 1.08E-03 | 1.08E-03 | 4.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.95E-04 | 1.42E-05 | 1.71E-04 | 4.62E-05 | 4.97E-05 | 2.23E-05 | 5.37E-05 | 2.48E-04 | 1.08E-03 | 1.08E-03 | 4.63E-04 |
| THYROID | G | 6.32E-05 | 5.69E-06 | 4.98E-05 | 1.68E-05 | 1.77E-05 | 8.94E-06 | 3.37E-05 | 5.79E-05 | 3.18E-04 | 3.18E-04 | 3.64E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.32E-05 | 5.69E-06 | 4.98E-05 | 1.68E-05 | 1.77E-05 | 8.94E-06 | 3.37E-05 | 5.79E-05 | 3.18E-04 | 3.18E-04 | 3.64E-04 |
| UTERUS | G | 1.11E-04 | 3.77E-03 | 2.54E-04 | 2.16E-03 | 1.28E-03 | 1.45E-03 | 2.23E-04 | 1.37E-04 | 4.43E-05 | 4.43E-05 | 6.32E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-04 | 3.77E-03 | 2.54E-04 | 2.16E-03 | 1.28E-03 | 1.45E-03 | 2.23E-04 | 1.37E-04 | 4.43E-05 | 4.43E-05 | 6.32E-04 |
| T BODY | G | 4.46E-04 | 4.92E-04 | 4.69E-04 | 5.12E-04 | 5.04E-04 | 5.01E-04 | 4.50E-04 | 4.49E-04 | 3.81E-04 | 3.81E-04 | 3.86E-04 |
| | B | 6.16E-04 | 6.93E-05 | 1.85E-04 | 4.93E-04 | 2.94E-04 | 3.65E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 |
| | T | 1.06E-03 | 5.61E-04 | 6.54E-04 | 1.01E-03 | 7.98E-04 | 8.66E-04 | 1.07E-03 | 1.06E-03 | 9.97E-04 | 9.97E-04 | 1.00E-03 |

CONTINUED NEXT PAGE

25-MANGANESE-56 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.54E-04 | 1.85E-03 | 4.45E-04 | 4.45E-04 | 5.84E-04 | 2.42E-04 | 2.32E-04 | 1.76E-03 | 2.67E-05 | 6.23E-05 | 5.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 1.54E-04 | 1.85E-03 | 4.45E-04 | 4.45E-04 | 5.84E-04 | 2.42E-04 | 2.32E-04 | 1.76E-03 | 2.67E-05 | 6.23E-05 | 1.16E-03 |
| BLAD WALL | G | 1.74E-03 | 8.02E-05 | 1.57E-04 | 1.57E-04 | 2.48E-04 | 1.00E-04 | 2.07E-04 | 8.36E-05 | 1.32E-03 | 5.71E-06 | 4.96E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 1.74E-03 | 8.02E-05 | 1.57E-04 | 1.57E-04 | 2.48E-04 | 1.00E-04 | 2.07E-04 | 8.36E-05 | 1.32E-03 | 5.71E-06 | 1.11E-03 |
| GI TRACT S WALL | G | 2.46E-04 | 4.34E-03 | 1.54E-04 | 1.54E-04 | 2.86E-04 | 2.08E-04 | 1.79E-04 | 2.48E-03 | 3.32E-05 | 3.82E-05 | 4.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 2.46E-04 | 4.34E-03 | 1.54E-04 | 1.54E-04 | 2.86E-04 | 2.08E-04 | 1.79E-04 | 2.48E-03 | 3.32E-05 | 3.82E-05 | 1.05E-03 |
| SI+CONT | G | 2.94E-03 | 4.82E-04 | 2.19E-04 | 2.19E-04 | 6.82E-04 | 2.77E-04 | 1.62E-04 | 3.78E-04 | 1.56E-04 | 1.26E-05 | 5.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 2.94E-03 | 4.82E-04 | 2.19E-04 | 2.19E-04 | 6.82E-04 | 2.77E-04 | 1.62E-04 | 3.78E-04 | 1.56E-04 | 1.26E-05 | 1.13E-03 |
| ULI WALL | G | 2.78E-03 | 5.70E-04 | 2.07E-04 | 2.07E-04 | 5.26E-04 | 2.44E-04 | 1.71E-04 | 3.95E-04 | 1.42E-04 | 1.37E-05 | 4.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 2.78E-03 | 5.70E-04 | 2.07E-04 | 2.07E-04 | 5.26E-04 | 2.44E-04 | 1.71E-04 | 3.95E-04 | 1.42E-04 | 1.37E-05 | 1.10E-03 |
| LLI WALL | G | 3.55E-03 | 1.53E-04 | 2.68E-04 | 2.68E-04 | 8.36E-04 | 2.44E-04 | 1.80E-04 | 1.86E-04 | 6.63E-04 | 7.76E-06 | 5.66E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 3.55E-03 | 1.53E-04 | 2.68E-04 | 2.68E-04 | 8.36E-04 | 2.44E-04 | 1.80E-04 | 1.86E-04 | 6.63E-04 | 7.76E-06 | 1.18E-03 |
| KIDNEYS | G | 3.10E-04 | 1.57E-03 | 2.71E-04 | 2.71E-04 | 6.69E-04 | 3.07E-04 | 2.10E-04 | 2.16E-03 | 3.91E-05 | 3.43E-05 | 4.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 3.10E-04 | 1.57E-03 | 2.71E-04 | 2.71E-04 | 6.69E-04 | 3.07E-04 | 2.10E-04 | 2.16E-03 | 3.91E-05 | 3.43E-05 | 1.07E-03 |
| LIVER | G | 1.88E-04 | 1.04E-03 | 2.08E-04 | 2.08E-04 | 2.79E-04 | 3.01E-04 | 1.91E-04 | 2.94E-04 | 3.05E-05 | 6.25E-05 | 4.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 1.88E-04 | 1.04E-03 | 2.08E-04 | 2.08E-04 | 2.79E-04 | 3.01E-04 | 1.91E-04 | 2.94E-04 | 3.05E-05 | 6.25E-05 | 1.07E-03 |
| LUNGS | G | 4.62E-05 | 6.08E-04 | 2.72E-04 | 2.72E-04 | 3.25E-04 | 2.68E-04 | 1.97E-04 | 5.72E-04 | 9.23E-06 | 2.99E-04 | 3.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 4.62E-05 | 6.08E-04 | 2.72E-04 | 2.72E-04 | 3.25E-04 | 2.68E-04 | 1.97E-04 | 5.72E-04 | 9.23E-06 | 2.99E-04 | 9.88E-04 |
| RESP LYM NODE | G | 4.62E-05 | 6.08E-04 | 2.72E-04 | 2.72E-04 | 3.25E-04 | 2.68E-04 | 1.97E-04 | 5.72E-04 | 9.23E-06 | 2.99E-04 | 3.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 4.62E-05 | 6.08E-04 | 2.72E-04 | 2.72E-04 | 3.25E-04 | 2.68E-04 | 1.97E-04 | 5.72E-04 | 9.23E-06 | 2.99E-04 | 9.88E-04 |
| MUSCLE* | G | 5.23E-04 | 4.73E-04 | 3.03E-04 | 3.03E-04 | 3.53E-04 | 2.78E-04 | 2.56E-04 | 3.92E-04 | 3.65E-04 | 3.64E-04 | 3.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 5.23E-04 | 4.73E-04 | 3.03E-04 | 3.03E-04 | 3.53E-04 | 2.78E-04 | 2.56E-04 | 3.92E-04 | 3.65E-04 | 3.64E-04 | 1.00E-03 |
| OVARIES | G | 1.97E-01 | 2.18E-04 | 2.60E-04 | 2.60E-04 | 8.18E-04 | 2.49E-04 | 1.61E-04 | 1.31E-04 | 6.11E-49 | 9.19E-06 | 4.68E-04 |
| | B | 3.92E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 4.12E 00 | 2.18E-04 | 2.60E-04 | 2.60E-04 | 8.18E-04 | 2.49E-04 | 1.61E-04 | 1.31E-04 | 6.11E-49 | 9.19E-06 | 1.08E-03 |

25-MANGANESE-56 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.72E-04 | 5.44E-02 | 2.87E-04 | 2.87E-04 | 3.58E-04 | 2.82E-04 | 1.53E-04 | 4.71E-03 | 3.74E-05 | 4.63E-05 | 5.52E-04 |
| | B | 0.0 | 4.31E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 1.72E-04 | 4.86E-01 | 2.87E-04 | 2.87E-04 | 3.58E-04 | 2.82E-04 | 1.53E-04 | 4.71E-03 | 3.74E-05 | 4.63E-05 | 1.17E-03 |
| SKELETON BONE | G | 2.38E-04 | 2.39E-04 | 8.91E-04 | 8.91E-04 | 6.00E-04 | 6.68E-04 | 2.32E-04 | 2.03E-04 | 1.77E-04 | 2.01E-04 | 3.87E-04 |
| | B | 0.0 | 0.0 | 8.62E-03 | 5.00E-03 | 2.42E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 2.38E-04 | 2.39E-04 | 9.51E-03 | 5.89E-03 | 3.02E-03 | 6.68E-04 | 2.32E-04 | 2.03E-04 | 1.77E-04 | 2.01E-04 | 1.00E-03 |
| R MARROW | G | 7.62E-04 | 4.42E-04 | 8.01E-04 | 8.01E-04 | 1.89E-03 | 6.82E-04 | 2.15E-04 | 2.97E-04 | 1.42E-04 | 2.20E-04 | 4.26E-04 |
| | B | 0.0 | 0.0 | 6.37E-04 | 1.21E-02 | 1.90E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 7.62E-04 | 4.42E-04 | 1.44E-03 | 1.29E-02 | 2.09E-02 | 6.82E-04 | 2.15E-04 | 2.97E-04 | 1.42E-04 | 2.20E-04 | 1.04E-03 |
| Y MARROW | G | 3.12E-04 | 2.81E-04 | 7.69E-04 | 7.69E-04 | 7.39E-04 | 1.14E-03 | 2.46E-04 | 3.00E-04 | 8.33E-05 | 1.12E-04 | 3.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.87E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 3.12E-04 | 2.81E-04 | 7.69E-04 | 7.69E-04 | 7.39E-04 | 2.99E-02 | 2.46E-04 | 3.00E-04 | 8.33E-05 | 1.12E-04 | 9.75E-04 |
| T E CL | G | 2.38E-04 | 2.39E-04 | 8.91E-04 | 8.91E-04 | 8.04E-04 | 7.37E-04 | 2.32E-04 | 2.03E-04 | 1.77E-04 | 2.01E-04 | 3.87E-04 |
| | B | 0.0 | 0.0 | 5.31E-03 | 7.69E-03 | 9.25E-03 | 7.19E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 2.38E-04 | 2.39E-04 | 6.20E-03 | 8.58E-03 | 1.01E-02 | 7.92E-03 | 2.32E-04 | 2.03E-04 | 1.77E-04 | 2.01E-04 | 1.00E-03 |
| SKIN | G | 1.49E-04 | 1.52E-04 | 2.38E-04 | 2.38E-04 | 2.12E-04 | 2.65E-04 | 5.55E-04 | 1.72E-04 | 4.25E-04 | 2.49E-04 | 2.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-02 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 1.49E-04 | 1.52E-04 | 2.38E-04 | 2.38E-04 | 2.12E-04 | 2.65E-04 | 1.71E-02 | 1.72E-04 | 4.25E-04 | 2.49E-04 | 8.72E-04 |
| SPLEEN | G | 1.91E-04 | 4.75E-03 | 2.16E-04 | 2.16E-04 | 2.80E-04 | 3.19E-04 | 1.88E-04 | 3.33E-02 | 3.30E-05 | 4.82E-05 | 4.35E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.40E-01 | 0.0 | 0.0 | 6.16E-04 |
| | T | 1.91E-04 | 4.75E-03 | 2.16E-04 | 2.16E-04 | 2.80E-04 | 3.19E-04 | 1.88E-04 | 2.73E-01 | 3.30E-05 | 4.82E-05 | 1.05E-03 |
| TESTES | G | 6.11E-49 | 3.51E-05 | 2.41E-04 | 2.41E-04 | 1.23E-04 | 2.45E-04 | 2.58E-04 | 3.39E-05 | 9.26E-02 | 2.70E-06 | 4.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23E 00 | 0.0 | 6.16E-04 |
| | T | 6.11E-49 | 3.51E-05 | 2.41E-04 | 2.41E-04 | 1.23E-04 | 2.45E-04 | 2.58E-04 | 3.39E-05 | 1.32E 00 | 2.70E-06 | 1.07E-03 |
| THYMUS | G | 2.37E-05 | 1.64E-04 | 2.06E-04 | 2.06E-04 | 2.13E-04 | 1.59E-04 | 2.19E-04 | 1.70E-04 | 6.37E-06 | 1.17E-03 | 4.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 2.37E-05 | 1.64E-04 | 2.06E-04 | 2.06E-04 | 2.13E-04 | 1.59E-04 | 2.19E-04 | 1.70E-04 | 6.37E-06 | 1.17E-03 | 1.03E-03 |
| THYROID | G | 9.19E-06 | 4.15E-05 | 1.44E-04 | 1.44E-04 | 2.45E-04 | 1.90E-04 | 2.24E-04 | 4.86E-05 | 2.69E-06 | 1.24E-01 | 3.97E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.16E 00 | 6.16E-04 |
| | T | 9.19E-06 | 4.15E-05 | 1.44E-04 | 1.44E-04 | 2.45E-04 | 1.90E-04 | 2.24E-04 | 4.86E-05 | 2.69E-06 | 2.28E 00 | 1.01E-03 |
| UTERUS | G | 4.42E-03 | 1.73E-04 | 1.91E-04 | 1.91E-04 | 4.04E-04 | 2.11E-04 | 1.81E-04 | 1.49E-04 | 6.11E-49 | 8.82E-06 | 5.69E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.16E-04 |
| | T | 4.42E-03 | 1.73E-04 | 1.91E-04 | 1.91E-04 | 4.04E-04 | 2.11E-04 | 1.81E-04 | 1.49E-04 | 6.11E-49 | 8.82E-06 | 1.18E-03 |
| T BODY | G | 5.23E-04 | 5.12E-04 | 3.84E-04 | 3.84E-04 | 4.24E-04 | 3.43E-04 | 2.56E-04 | 4.46E-04 | 3.85E-04 | 3.48E-04 | 3.84E-04 |
| | B | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 | 6.16E-04 |
| | T | 1.14E-03 | 1.13E-03 | 9.99E-04 | 9.99E-04 | 1.04E-03 | 9.59E-04 | 8.72E-04 | 1.06E-03 | 1.00E-03 | 9.64E-04 | 1.00E-03 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-CHASMAN, C. AND RISTINER, R. A., PHYS. REV. 159, 915 (1967)
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 27-COBALT-57 (TR=2.700E 02 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.05E-02 | 3.42E-06 | 6.64E-05 | 2.11E-05 | 2.17E-05 | 7.77E-06 | 2.65E-04 | 1.02E-04 | 6.41E-05 | 6.41E-05 | 3.36E-05 |
| | B | 6.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.99E-02 | 3.42E-06 | 6.64E-05 | 2.11E-05 | 2.17E-05 | 7.77E-06 | 2.65E-04 | 1.02E-04 | 6.41E-05 | 6.41E-05 | 3.36E-05 |
| BLAD WALL | G | 3.26E-06 | 1.75E-03 | 6.69E-06 | 6.14E-05 | 5.29E-05 | 1.65E-04 | 6.54E-06 | 3.73E-06 | 7.69E-07 | 7.69E-07 | 4.14E-05 |
| | B | 0.0 | 2.43E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.26E-06 | 4.18E-03 | 6.69E-06 | 6.14E-05 | 5.29E-05 | 1.65E-04 | 6.54E-06 | 3.73E-06 | 7.69E-07 | 7.69E-07 | 4.14E-05 |
| GI TRACT S WALL | G | 6.86E-05 | 6.44E-06 | 1.23E-03 | 8.69E-05 | 8.95E-05 | 4.18E-05 | 8.61E-05 | 4.34E-05 | 4.34E-05 | 4.34E-05 | 2.89E-05 |
| | B | 0.0 | 0.0 | 1.94E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.86E-05 | 6.44E-06 | 3.17E-03 | 8.69E-05 | 8.95E-05 | 4.18E-05 | 8.61E-05 | 4.34E-05 | 4.34E-05 | 4.34E-05 | 2.89E-05 |
| SI+CONT | G | 1.94E-05 | 7.19E-05 | 6.43E-05 | 8.13E-04 | 3.93E-04 | 2.21E-04 | 6.85E-05 | 3.84E-05 | 4.39E-06 | 4.39E-06 | 3.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.22E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.94E-05 | 7.19E-05 | 6.43E-05 | 2.03E-03 | 3.93E-04 | 2.21E-04 | 6.85E-05 | 3.84E-05 | 4.39E-06 | 4.39E-06 | 3.61E-05 |
| ULI WALL | G | 2.22E-05 | 5.11E-05 | 8.38E-05 | 6.07E-04 | 1.02E-03 | 1.00E-04 | 6.80E-05 | 6.00E-05 | 5.20E-06 | 5.20E-06 | 3.79E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.21E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.22E-05 | 5.11E-05 | 8.38E-05 | 6.07E-04 | 3.23E-03 | 1.00E-04 | 6.80E-05 | 6.00E-05 | 5.20E-06 | 5.20E-06 | 3.79E-05 |
| LLI WALL | G | 5.08E-06 | 1.78E-04 | 2.76E-05 | 1.75E-04 | 7.70E-05 | 1.22E-03 | 1.62E-05 | 5.36E-06 | 1.43E-06 | 1.43E-06 | 3.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.60E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.08E-06 | 1.78E-04 | 2.76E-05 | 1.75E-04 | 7.70E-05 | 4.82E-03 | 1.62E-05 | 5.36E-06 | 1.43E-06 | 1.43E-06 | 3.93E-05 |
| KIDNEYS | G | 2.62E-04 | 6.16E-06 | 8.23E-05 | 7.69E-05 | 6.78E-05 | 1.97E-05 | 2.22E-03 | 9.42E-05 | 1.99E-05 | 1.99E-05 | 3.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.14E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.62E-04 | 6.16E-06 | 8.23E-05 | 7.69E-05 | 6.78E-05 | 1.97E-05 | 5.36E-03 | 9.42E-05 | 1.99E-05 | 1.99E-05 | 3.16E-05 |
| LIVER | G | 1.16E-04 | 3.75E-06 | 4.80E-05 | 4.33E-05 | 6.06E-05 | 5.70E-06 | 9.17E-05 | 6.84E-04 | 5.76E-05 | 5.76E-05 | 2.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.40E-04 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-04 | 3.75E-06 | 4.80E-05 | 4.33E-05 | 6.06E-05 | 5.70E-06 | 9.17E-05 | 1.22E-03 | 5.76E-05 | 5.76E-05 | 2.49E-05 |
| LUNGS | G | 5.75E-05 | 5.60E-07 | 4.12E-05 | 5.06E-06 | 6.12E-06 | 1.81E-06 | 2.02E-05 | 5.95E-05 | 5.07E-04 | 5.07E-04 | 3.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.72E-04 | 9.72E-04 | 0.0 |
| | T | 5.75E-05 | 5.60E-07 | 4.12E-05 | 5.06E-06 | 6.12E-06 | 1.81E-06 | 2.02E-05 | 5.95E-05 | 1.48E-03 | 1.48E-03 | 3.04E-05 |
| RESP LYM NODE | G | 5.75E-05 | 5.60E-07 | 4.12E-05 | 5.06E-06 | 6.12E-06 | 1.81E-06 | 2.02E-05 | 5.95E-05 | 4.47E-04 | 5.07E-04 | 3.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.22E-04 | 6.48E-02 | 0.0 |
| | T | 5.75E-05 | 5.60E-07 | 4.12E-05 | 5.06E-06 | 6.12E-06 | 1.81E-06 | 2.02E-05 | 5.95E-05 | 6.69E-04 | 6.53E-02 | 3.04E-05 |
| MUSCLE* | G | 3.36E-05 | 4.14E-05 | 3.25E-05 | 3.61E-05 | 3.46E-05 | 3.93E-05 | 3.16E-05 | 2.49E-05 | 3.04E-05 | 3.04E-05 | 3.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.47E-05 |
| | T | 3.36E-05 | 4.14E-05 | 3.25E-05 | 3.61E-05 | 3.46E-05 | 3.93E-05 | 3.16E-05 | 2.49E-05 | 3.04E-05 | 3.04E-05 | 7.03E-05 |
| OVARIES | G | 1.47E-05 | 1.71E-04 | 1.23E-05 | 2.55E-04 | 2.76E-04 | 4.05E-04 | 2.58E-05 | 1.02E-05 | 2.07E-06 | 2.07E-06 | 4.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.47E-05 | 1.71E-04 | 1.23E-05 | 2.55E-04 | 2.76E-04 | 4.05E-04 | 2.58E-05 | 1.02E-05 | 2.07E-06 | 2.07E-06 | 4.68E-05 |

27-COBALT-57 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.17E-04 | 5.02E-06 | 4.27E-04 | 4.87E-05 | 5.49E-05 | 1.79E-05 | 1.56E-04 | 1.03E-04 | 6.18E-05 | 6.18E-05 | 4.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.17E-04 | 5.02E-06 | 4.27E-04 | 4.87E-05 | 5.49E-05 | 1.79E-05 | 1.56E-04 | 1.03E-04 | 6.18E-05 | 6.18E-05 | 4.21E-05 |
| SKELETON BONE | G | 4.92E-05 | 2.29E-05 | 2.25E-05 | 3.14E-05 | 2.83E-05 | 4.05E-05 | 3.58E-05 | 2.77E-05 | 3.66E-05 | 3.66E-05 | 2.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.92E-05 | 2.29E-05 | 2.25E-05 | 3.14E-05 | 2.83E-05 | 4.05E-05 | 3.58E-05 | 2.77E-05 | 3.66E-05 | 3.66E-05 | 2.27E-05 |
| R MARROW | G | 8.91E-05 | 5.55E-05 | 4.00E-05 | 1.07E-04 | 9.21E-05 | 1.27E-04 | 9.42E-05 | 4.01E-05 | 4.66E-05 | 4.66E-05 | 4.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.91E-05 | 5.55E-05 | 4.00E-05 | 1.07E-04 | 9.21E-05 | 1.27E-04 | 9.42E-05 | 4.01E-05 | 4.66E-05 | 4.66E-05 | 4.98E-05 |
| Y MARROW | G | 4.68E-05 | 2.18E-05 | 3.15E-05 | 4.41E-05 | 4.08E-05 | 5.01E-05 | 4.38E-05 | 4.11E-05 | 3.77E-05 | 3.77E-05 | 3.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.68E-05 | 2.18E-05 | 3.15E-05 | 4.41E-05 | 4.08E-05 | 5.01E-05 | 4.38E-05 | 4.11E-05 | 3.77E-05 | 3.77E-05 | 3.68E-05 |
| T E CL | G | 4.92E-05 | 2.29E-05 | 2.25E-05 | 3.14E-05 | 2.83E-05 | 4.05E-05 | 3.58E-05 | 2.77E-05 | 3.66E-05 | 3.66E-05 | 2.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.92E-05 | 2.29E-05 | 2.25E-05 | 3.14E-05 | 2.83E-05 | 4.05E-05 | 3.58E-05 | 2.77E-05 | 3.66E-05 | 3.66E-05 | 2.27E-05 |
| SKIN | G | 1.16E-05 | 1.29E-05 | 1.02E-05 | 9.53E-06 | 9.55E-06 | 1.12E-05 | 1.21E-05 | 1.13E-05 | 1.21E-05 | 1.21E-05 | 1.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-05 | 1.29E-05 | 1.02E-05 | 9.53E-06 | 9.55E-06 | 1.12E-05 | 1.21E-05 | 1.13E-05 | 1.21E-05 | 1.21E-05 | 1.71E-05 |
| SPLEEN | G | 1.48E-04 | 1.88E-05 | 2.37E-04 | 3.60E-05 | 3.45E-05 | 1.92E-05 | 2.01E-04 | 2.16E-05 | 5.44E-05 | 5.44E-05 | 3.36E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.48E-04 | 1.88E-05 | 2.37E-04 | 3.60E-05 | 3.45E-05 | 1.92E-05 | 2.01E-04 | 2.16E-05 | 5.44E-05 | 5.44E-05 | 3.36E-05 |
| TESTES | G | 6.71E-07 | 1.11E-04 | 1.10E-06 | 7.04E-06 | 6.10E-06 | 4.00E-05 | 1.92E-06 | 1.36E-06 | 1.62E-07 | 1.62E-07 | 2.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.71E-07 | 1.11E-04 | 1.10E-06 | 7.04E-06 | 6.10E-06 | 4.00E-05 | 1.92E-06 | 1.36E-06 | 1.62E-07 | 1.62E-07 | 2.61E-05 |
| THYMUS | G | 9.84E-06 | 2.21E-07 | 6.36E-06 | 1.76E-06 | 2.29E-06 | 5.66E-07 | 4.80E-06 | 1.51E-05 | 1.04E-04 | 1.04E-04 | 4.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.84E-06 | 2.21E-07 | 6.36E-06 | 1.76E-06 | 2.29E-06 | 5.66E-07 | 4.80E-06 | 1.51E-05 | 1.04E-04 | 1.04E-04 | 4.63E-05 |
| THYROID | G | 2.76E-06 | 4.05E-08 | 1.86E-06 | 3.08E-07 | 3.41E-07 | 1.09E-07 | 1.02E-06 | 2.99E-06 | 2.24E-05 | 2.24E-05 | 3.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.76E-06 | 4.05E-08 | 1.86E-06 | 3.08E-07 | 3.41E-07 | 1.09E-07 | 1.02E-06 | 2.99E-06 | 2.24E-05 | 2.24E-05 | 3.03E-05 |
| UTERUS | G | 1.65E-05 | 3.72E-04 | 1.79E-05 | 2.28E-04 | 1.31E-04 | 1.67E-04 | 2.12E-05 | 9.14E-06 | 1.83E-06 | 1.83E-06 | 5.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.65E-05 | 3.72E-04 | 1.79E-05 | 2.28E-04 | 1.31E-04 | 1.67E-04 | 2.12E-05 | 9.14E-06 | 1.83E-06 | 1.83E-06 | 5.66E-05 |
| T BODY | G | 4.24E-05 | 4.71E-05 | 4.47E-05 | 5.03E-05 | 4.90E-05 | 4.90E-05 | 4.23E-05 | 4.28E-05 | 3.76E-05 | 3.76E-05 | 3.32E-05 |
| | B | 1.39E-05 | 1.56E-06 | 4.17E-06 | 1.11E-05 | 6.63E-06 | 8.23E-06 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 |
| | T | 5.63E-05 | 4.87E-05 | 4.88E-05 | 6.14E-05 | 5.56E-05 | 5.72E-05 | 5.62E-05 | 5.66E-05 | 5.15E-05 | 5.15E-05 | 4.71E-05 |

CONTINUED NEXT PAGE

27-COBALT-57 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 7.47E-06 | 2.22E-04 | 2.47E-05 | 2.47E-05 | 5.10E-05 | 2.58E-05 | 1.49E-05 | 1.46E-04 | 6.71E-07 | 2.76E-06 | 4.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 7.47E-06 | 2.22E-04 | 2.47E-05 | 2.47E-05 | 5.10E-05 | 2.58E-05 | 1.49E-05 | 1.46E-04 | 6.71E-07 | 2.76E-06 | 5.74E-05 |
| BLAD WALL | G | 1.72E-04 | 3.27E-06 | 1.24E-05 | 1.24E-05 | 2.47E-05 | 9.59E-06 | 1.13E-05 | 2.41E-06 | 1.14E-04 | 4.11E-08 | 4.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 1.72E-04 | 3.27E-06 | 1.24E-05 | 1.24E-05 | 2.47E-05 | 9.59E-06 | 1.13E-05 | 2.41E-06 | 1.14E-04 | 4.11E-08 | 5.61E-05 |
| GI TRACT S WALL | G | 1.93E-05 | 4.13E-04 | 1.29E-05 | 1.29E-05 | 2.15E-05 | 1.92E-05 | 1.26E-05 | 2.41E-04 | 6.67E-07 | 1.12E-06 | 4.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 1.93E-05 | 4.13E-04 | 1.29E-05 | 1.29E-05 | 2.15E-05 | 1.92E-05 | 1.26E-05 | 2.41E-04 | 6.67E-07 | 1.12E-06 | 5.41E-05 |
| SI+CONT | G | 2.88E-04 | 4.30E-05 | 1.72E-05 | 1.72E-05 | 6.13E-05 | 2.51E-05 | 1.05E-05 | 3.36E-05 | 8.10E-06 | 1.79E-07 | 4.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 2.88E-04 | 4.30E-05 | 1.72E-05 | 1.72E-05 | 6.13E-05 | 2.51E-05 | 1.05E-05 | 3.36E-05 | 8.10E-06 | 1.79E-07 | 6.30E-05 |
| ULI WALL | G | 2.58E-04 | 5.05E-05 | 1.60E-05 | 1.60E-05 | 4.97E-05 | 2.16E-05 | 1.11E-05 | 3.53E-05 | 6.94E-06 | 2.65E-07 | 4.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 2.58E-04 | 5.05E-05 | 1.60E-05 | 1.60E-05 | 4.97E-05 | 2.16E-05 | 1.11E-05 | 3.53E-05 | 6.94E-06 | 2.65E-07 | 6.13E-05 |
| LLI WALL | G | 3.43E-04 | 1.34E-05 | 2.43E-05 | 2.43E-05 | 6.88E-05 | 2.15E-05 | 1.12E-05 | 1.43E-05 | 6.40E-05 | 8.77E-08 | 4.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 3.43E-04 | 1.34E-05 | 2.43E-05 | 2.43E-05 | 6.88E-05 | 2.15E-05 | 1.12E-05 | 1.43E-05 | 6.40E-05 | 8.77E-08 | 5.72E-05 |
| KIDNEYS | G | 2.16E-05 | 1.57E-04 | 1.90E-05 | 1.90E-05 | 5.18E-05 | 2.52E-05 | 1.31E-05 | 2.16E-04 | 8.60E-07 | 7.76E-07 | 4.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 2.16E-05 | 1.57E-04 | 1.90E-05 | 1.90E-05 | 5.18E-05 | 2.52E-05 | 1.31E-05 | 2.16E-04 | 8.60E-07 | 7.76E-07 | 5.43E-05 |
| LIVER | G | 1.25E-05 | 1.05E-04 | 1.55E-05 | 1.55E-05 | 2.14E-05 | 2.34E-05 | 1.24E-05 | 2.31E-05 | 6.77E-07 | 2.07E-06 | 4.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 1.25E-05 | 1.05E-04 | 1.55E-05 | 1.55E-05 | 2.14E-05 | 2.34E-05 | 1.24E-05 | 2.31E-05 | 6.77E-07 | 2.07E-06 | 5.50E-05 |
| LUNGS | G | 1.35E-06 | 6.06E-05 | 2.22E-05 | 2.22E-05 | 2.72E-05 | 2.25E-05 | 1.35E-05 | 5.37E-05 | 1.24E-07 | 2.21E-05 | 3.59E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 1.35E-06 | 6.06E-05 | 2.22E-05 | 2.22E-05 | 2.72E-05 | 2.25E-05 | 1.35E-05 | 5.37E-05 | 1.24E-07 | 2.21E-05 | 4.98E-05 |
| RESP LYM NODE | G | 1.35E-06 | 6.06E-05 | 2.22E-05 | 2.22E-05 | 2.72E-05 | 2.25E-05 | 1.35E-05 | 5.37E-05 | 1.24E-07 | 2.21E-05 | 3.59E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 1.35E-06 | 6.06E-05 | 2.22E-05 | 2.22E-05 | 2.72E-05 | 2.25E-05 | 1.35E-05 | 5.37E-05 | 1.24E-07 | 2.21E-05 | 4.98E-05 |
| MUSCLE* | G | 4.68E-05 | 4.21E-05 | 2.27E-05 | 2.27E-05 | 2.77E-05 | 2.03E-05 | 1.71E-05 | 3.36E-05 | 2.61E-05 | 3.03E-05 | 3.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 4.68E-05 | 4.21E-05 | 2.27E-05 | 2.27E-05 | 2.77E-05 | 2.03E-05 | 1.71E-05 | 3.36E-05 | 2.61E-05 | 3.03E-05 | 4.71E-05 |
| OVARIES | G | 3.64E-02 | 1.02E-05 | 1.68E-05 | 1.68E-05 | 8.17E-05 | 3.75E-05 | 8.31E-06 | 8.42E-06 | 4.10E-45 | 9.86E-08 | 4.67E-05 |
| | B | 8.84E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 1.25E-01 | 1.02E-05 | 1.68E-05 | 1.68E-05 | 8.17E-05 | 3.75E-05 | 8.31E-06 | 8.42E-06 | 4.10E-45 | 9.86E-08 | 6.05E-05 |

27-COBALT-57 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.20E-05 | 7.48E-03 | 1.88E-05 | 1.88E-05 | 4.04E-05 | 2.58E-05 | 9.56E-06 | 4.43E-04 | 1.17E-06 | 1.48E-06 | 4.58E-05 |
| | B | 0.0 | 9.72E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 1.20E-05 | 1.72E-02 | 1.88E-05 | 1.88E-05 | 4.04E-05 | 2.58E-05 | 9.56E-06 | 4.43E-04 | 1.17E-06 | 1.48E-06 | 5.97E-05 |
| SKELETON BONE | G | 3.85E-05 | 3.65E-05 | 1.26E-04 | 1.26E-04 | 7.97E-05 | 8.91E-05 | 2.44E-05 | 2.84E-05 | 2.27E-05 | 2.51E-05 | 4.98E-05 |
| | B | 0.0 | 0.0 | 1.94E-04 | 1.82E-04 | 8.11E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 3.85E-05 | 3.65E-05 | 3.20E-04 | 3.08E-04 | 8.78E-05 | 8.91E-05 | 2.44E-05 | 2.84E-05 | 2.27E-05 | 2.51E-05 | 6.37E-05 |
| R MARROW | G | 1.38E-04 | 7.03E-05 | 1.10E-04 | 1.10E-04 | 3.08E-04 | 9.37E-05 | 2.34E-05 | 4.22E-05 | 1.78E-05 | 2.75E-05 | 6.06E-05 |
| | B | 0.0 | 0.0 | 4.26E-07 | 4.06E-05 | 6.20E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 1.38E-04 | 7.03E-05 | 1.11E-04 | 1.51E-04 | 9.28E-04 | 9.37E-05 | 2.34E-05 | 4.22E-05 | 1.78E-05 | 2.75E-05 | 7.45E-05 |
| Y MARROW | G | 5.22E-05 | 4.22E-05 | 1.04E-04 | 1.04E-04 | 1.02E-04 | 1.93E-04 | 2.56E-05 | 4.28E-05 | 8.22E-06 | 1.29E-05 | 4.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.48E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 5.22E-05 | 4.22E-05 | 1.04E-04 | 1.04E-04 | 1.02E-04 | 8.41E-04 | 2.56E-05 | 4.28E-05 | 8.22E-06 | 1.29E-05 | 6.19E-05 |
| T E CL | G | 3.85E-05 | 3.65E-05 | 1.20E-04 | 1.20E-04 | 1.30E-04 | 1.19E-04 | 2.44E-05 | 2.84E-05 | 2.27E-05 | 2.51E-05 | 5.14E-05 |
| | B | 0.0 | 0.0 | 3.51E-05 | 7.11E-05 | 2.77E-04 | 1.62E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 3.85E-05 | 3.65E-05 | 1.55E-04 | 1.91E-04 | 4.07E-04 | 2.81E-04 | 2.44E-05 | 2.84E-05 | 2.27E-05 | 2.51E-05 | 6.53E-05 |
| SKIN | G | 9.46E-06 | 9.32E-06 | 1.50E-05 | 1.50E-05 | 1.35E-05 | 1.70E-05 | 8.61E-05 | 1.08E-05 | 3.14E-05 | 1.67E-05 | 1.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.74E-04 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 9.46E-06 | 9.32E-06 | 1.50E-05 | 1.50E-05 | 1.35E-05 | 1.70E-05 | 4.60E-04 | 1.08E-05 | 3.14E-05 | 1.67E-05 | 3.33E-05 |
| SPLEEN | G | 1.12E-05 | 4.57E-04 | 1.34E-05 | 1.34E-05 | 2.18E-05 | 2.46E-05 | 1.26E-05 | 3.89E-03 | 4.11E-07 | 2.40E-06 | 4.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.40E-03 | 0.0 | 0.0 | 1.39E-05 |
| | T | 1.12E-05 | 4.57E-04 | 1.34E-05 | 1.34E-05 | 2.18E-05 | 2.46E-05 | 1.26E-05 | 9.29E-03 | 4.11E-07 | 2.40E-06 | 5.55E-05 |
| TESTES | G | 4.10E-45 | 1.18E-06 | 1.54E-05 | 1.54E-05 | 1.17E-05 | 2.59E-05 | 2.03E-05 | 1.03E-06 | 1.24E-02 | 9.72E-09 | 2.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.78E-02 | 0.0 | 1.39E-05 |
| | T | 4.10E-45 | 1.18E-06 | 1.54E-05 | 1.54E-05 | 1.17E-05 | 2.59E-05 | 2.03E-05 | 1.03E-06 | 4.01E-02 | 9.72E-09 | 4.35E-05 |
| THYMUS | G | 5.49E-07 | 1.26E-05 | 1.28E-05 | 1.28E-05 | 2.14E-05 | 1.71E-05 | 1.41E-05 | 6.41E-06 | 5.02E-08 | 9.93E-05 | 4.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 5.49E-07 | 1.26E-05 | 1.28E-05 | 1.28E-05 | 2.14E-05 | 1.71E-05 | 1.41E-05 | 6.41E-06 | 5.02E-08 | 9.93E-05 | 5.48E-05 |
| THYROID | G | 9.86E-08 | 2.58E-06 | 1.78E-05 | 1.78E-05 | 1.58E-05 | 2.91E-05 | 1.60E-05 | 1.89E-06 | 9.73E-09 | 1.90E-02 | 2.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.86E-02 | 1.39E-05 |
| | T | 9.86E-08 | 2.58E-06 | 1.78E-05 | 1.78E-05 | 1.58E-05 | 2.91E-05 | 1.60E-05 | 1.89E-06 | 9.73E-09 | 6.76E-02 | 3.87E-05 |
| UTERUS | G | 4.85E-04 | 1.18E-05 | 1.32E-05 | 1.32E-05 | 5.12E-05 | 1.61E-05 | 9.62E-06 | 9.61E-06 | 4.10E-45 | 9.11E-08 | 5.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-05 |
| | T | 4.85E-04 | 1.18E-05 | 1.32E-05 | 1.32E-05 | 5.12E-05 | 1.61E-05 | 9.62E-06 | 9.61E-06 | 4.10E-45 | 9.11E-08 | 6.55E-05 |
| T BODY | G | 5.18E-05 | 5.07E-05 | 3.76E-05 | 3.76E-05 | 4.13E-05 | 3.28E-05 | 2.04E-05 | 4.26E-05 | 3.40E-05 | 3.20E-05 | 3.60E-05 |
| | B | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.39E-05 |
| | T | 6.57E-05 | 6.46E-05 | 5.15E-05 | 5.15E-05 | 5.52E-05 | 4.67E-05 | 3.42E-05 | 5.65E-05 | 4.79E-05 | 4.59E-05 | 4.98E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA, VOL. 3, NO. 3-4, (1970)
DATE DECAY DATA REVIEWED-FEBRUARY 1972

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 28-NICKEL-59 (TR=7.500E 04 YEARS)

DATE OF TABLE 04-02-75

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 6.24E-03 | 2.10E-26 | 3.38E-12 | 1.68E-15 | 4.51E-16 | 1.53E-18 | 3.68E-07 | 1.92E-07 | 9.70E-08 | 9.70E-08 | 3.14E-07 |
| | B | 1.78E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.41E-02 | 2.10E-26 | 3.38E-12 | 1.68E-15 | 4.51E-16 | 1.53E-18 | 3.68E-07 | 1.92E-07 | 9.70E-08 | 9.70E-08 | 3.14E-07 |
| BLAD WALL | G | 5.09E-26 | 6.65E-05 | 1.26E-19 | 3.30E-11 | 2.60E-11 | 1.08E-08 | 3.59E-20 | 4.50E-20 | 2.77E-29 | 2.77E-29 | 1.57E-08 |
| | B | 0.0 | 6.25E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.09E-26 | 6.91E-04 | 1.26E-19 | 3.30E-11 | 2.60E-11 | 1.08E-08 | 3.59E-20 | 4.50E-20 | 2.77E-29 | 2.77E-29 | 1.57E-08 |
| GI TRACT S WALL | G | 1.10E-11 | 2.22E-19 | 2.51E-05 | 4.45E-08 | 1.65E-07 | 9.79E-10 | 1.06E-10 | 3.02E-08 | 4.20E-08 | 4.20E-08 | 3.12E-09 |
| | B | 0.0 | 0.0 | 5.00E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.10E-11 | 2.22E-19 | 5.25E-04 | 4.45E-08 | 1.65E-07 | 9.79E-10 | 1.06E-10 | 3.02E-08 | 4.20E-08 | 4.20E-08 | 3.12E-09 |
| SI+CONT | G | 1.68E-15 | 1.19E-11 | 1.56E-08 | 5.79E-05 | 4.27E-07 | 1.90E-07 | 5.10E-10 | 1.27E-08 | 1.29E-18 | 1.29E-18 | 5.45E-08 |
| | B | 0.0 | 0.0 | 0.0 | 3.12E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.68E-15 | 1.19E-11 | 1.56E-08 | 3.70E-04 | 4.27E-07 | 1.90E-07 | 5.10E-10 | 1.27E-08 | 1.29E-18 | 1.29E-18 | 5.45E-08 |
| ULI WALL | G | 8.99E-16 | 1.34E-11 | 6.33E-08 | 3.52E-05 | 2.84E-05 | 8.05E-07 | 5.84E-11 | 1.48E-08 | 1.98E-18 | 1.98E-18 | 3.43E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 5.68E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.99E-16 | 1.34E-11 | 6.33E-08 | 3.52E-05 | 5.96E-04 | 8.05E-07 | 5.84E-11 | 1.48E-08 | 1.98E-18 | 1.98E-18 | 3.43E-07 |
| LLI WALL | G | 1.57E-18 | 2.67E-08 | 1.34E-10 | 2.20E-06 | 1.93E-07 | 4.33E-05 | 6.49E-13 | 2.14E-18 | 4.90E-21 | 4.90E-21 | 5.31E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.26E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.57E-18 | 2.67E-08 | 1.34E-10 | 2.20E-06 | 1.93E-07 | 9.69E-04 | 6.49E-13 | 2.14E-18 | 4.90E-21 | 4.90E-21 | 5.31E-09 |
| KIDNEYS | G | 3.31E-07 | 1.19E-20 | 3.00E-11 | 3.87E-10 | 2.49E-11 | 3.32E-13 | 3.75E-04 | 6.57E-08 | 5.03E-12 | 5.03E-12 | 1.11E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.06E-04 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.31E-07 | 1.19E-20 | 3.00E-11 | 3.87E-10 | 2.49E-11 | 3.32E-13 | 1.18E-03 | 6.57E-08 | 5.03E-12 | 5.03E-12 | 1.11E-07 |
| LIVER | G | 2.13E-08 | 2.04E-20 | 1.68E-08 | 5.95E-09 | 1.24E-08 | 2.29E-18 | 3.47E-08 | 6.05E-05 | 5.61E-09 | 5.61E-09 | 4.82E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-04 | 0.0 | 0.0 | 0.0 |
| | T | 2.13E-08 | 2.04E-20 | 1.68E-08 | 5.95E-09 | 1.24E-08 | 2.29E-18 | 3.47E-08 | 1.99E-04 | 5.61E-09 | 5.61E-09 | 4.82E-08 |
| LUNGS | G | 2.50E-08 | 3.33E-30 | 1.38E-08 | 3.48E-19 | 3.10E-19 | 2.05E-18 | 2.80E-09 | 6.07E-09 | 9.75E-05 | 9.75E-05 | 3.05E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.50E-04 | 2.50E-04 | 0.0 |
| | T | 2.50E-08 | 3.33E-30 | 1.38E-08 | 3.48E-19 | 3.10E-19 | 2.05E-18 | 2.80E-09 | 6.07E-09 | 3.47E-04 | 3.47E-04 | 3.05E-07 |
| RESP LYM NODE | G | 2.50E-08 | 3.33E-30 | 1.38E-08 | 3.48E-19 | 3.10E-19 | 2.05E-18 | 2.80E-09 | 6.07E-09 | 6.40E-05 | 9.75E-05 | 3.05E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.67E-02 | 0.0 |
| | T | 2.50E-08 | 3.33E-30 | 1.38E-08 | 3.48E-19 | 3.10E-19 | 2.05E-18 | 2.80E-09 | 6.07E-09 | 6.40E-05 | 1.68E-02 | 3.05E-07 |
| MUSCLE* | G | 3.14E-07 | 1.57E-08 | 3.12E-09 | 5.45E-08 | 5.81E-09 | 5.31E-09 | 1.11E-07 | 4.82E-08 | 3.05E-07 | 3.05E-07 | 2.11E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.92E-06 |
| | T | 3.14E-07 | 1.57E-08 | 3.12E-09 | 5.45E-08 | 5.81E-09 | 5.31E-09 | 1.11E-07 | 4.82E-08 | 3.05E-07 | 3.05E-07 | 1.10E-05 |
| OVARIES | G | 1.55E-21 | 4.88E-10 | 1.56E-15 | 1.08E-06 | 1.57E-06 | 3.21E-06 | 2.88E-15 | 7.69E-16 | 4.11E-25 | 4.11E-25 | 3.22E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.55E-21 | 4.88E-10 | 1.56E-15 | 1.08E-06 | 1.57E-06 | 3.21E-06 | 2.88E-15 | 7.69E-16 | 4.11E-25 | 4.11E-25 | 3.22E-07 |

28-NICKEL-59 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.37E-09 | 2.84E-23 | 6.50E-07 | 2.07E-12 | 1.77E-12 | 1.34E-15 | 1.83E-09 | 1.15E-07 | 6.68E-10 | 6.68E-10 | 1.89E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.37E-09 | 2.84E-23 | 6.50E-07 | 2.07E-12 | 1.77E-12 | 1.34E-15 | 1.83E-09 | 1.15E-07 | 6.68E-10 | 6.68E-10 | 1.89E-07 |
| SKELETON BONE | G | 3.45E-08 | 2.00E-12 | 3.02E-09 | 1.68E-08 | 1.29E-08 | 3.36E-09 | 1.75E-08 | 4.56E-09 | 2.12E-09 | 2.12E-09 | 3.02E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.45E-08 | 2.00E-12 | 3.02E-09 | 1.68E-08 | 1.29E-08 | 3.36E-09 | 1.75E-08 | 4.56E-09 | 2.12E-09 | 2.12E-09 | 3.02E-08 |
| R MARROW | G | 5.17E-08 | 2.22E-09 | 3.13E-09 | 7.08E-08 | 5.41E-08 | 1.42E-08 | 4.69E-08 | 4.72E-09 | 2.20E-09 | 2.20E-09 | 1.57E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.17E-08 | 2.22E-09 | 3.13E-09 | 7.08E-08 | 5.41E-08 | 1.42E-08 | 4.69E-08 | 4.72E-09 | 2.20E-09 | 2.20E-09 | 1.57E-07 |
| Y MARROW | G | 3.14E-08 | 7.40E-10 | 4.11E-09 | 2.36E-08 | 1.80E-08 | 4.72E-09 | 2.12E-08 | 6.21E-09 | 2.89E-09 | 2.89E-09 | 1.32E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.14E-08 | 7.40E-10 | 4.11E-09 | 2.36E-08 | 1.80E-08 | 4.72E-09 | 2.12E-08 | 6.21E-09 | 2.89E-09 | 2.89E-09 | 1.32E-07 |
| T E CL | G | 3.45E-08 | 2.00E-12 | 3.02E-09 | 1.68E-08 | 1.29E-08 | 3.36E-09 | 1.75E-08 | 4.56E-09 | 2.12E-09 | 2.12E-09 | 3.02E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.45E-08 | 2.00E-12 | 3.02E-09 | 1.68E-08 | 1.29E-08 | 3.36E-09 | 1.75E-08 | 4.56E-09 | 2.12E-09 | 2.12E-09 | 3.02E-08 |
| SKIN | G | 5.10E-09 | 2.08E-09 | 1.08E-09 | 4.16E-09 | 6.65E-11 | 6.34E-09 | 1.30E-08 | 4.51E-09 | 3.68E-09 | 3.68E-09 | 3.13E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.10E-09 | 2.08E-09 | 1.08E-09 | 4.16E-09 | 6.65E-11 | 6.34E-09 | 1.30E-08 | 4.51E-09 | 3.68E-09 | 3.68E-09 | 3.13E-07 |
| SPLEEN | G | 3.27E-08 | 2.06E-23 | 8.81E-09 | 1.66E-11 | 4.52E-12 | 1.19E-13 | 4.84E-07 | 5.69E-14 | 5.19E-08 | 5.19E-08 | 9.21E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.27E-08 | 2.06E-23 | 8.81E-09 | 1.66E-11 | 4.52E-12 | 1.19E-13 | 4.84E-07 | 5.69E-14 | 5.19E-08 | 5.19E-08 | 9.21E-08 |
| TESTES | G | 5.55E-34 | 1.40E-10 | 2.68E-27 | 2.16E-19 | 9.67E-19 | 3.66E-11 | 3.43E-28 | 1.70E-27 | 6.66E-37 | 6.66E-37 | 3.91E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.55E-34 | 1.40E-10 | 2.68E-27 | 2.16E-19 | 9.67E-19 | 3.66E-11 | 3.43E-28 | 1.70E-27 | 6.66E-37 | 6.66E-37 | 3.91E-09 |
| THYMUS | G | 7.63E-20 | 4.63E-38 | 1.72E-19 | 8.23E-28 | 1.05E-27 | 7.96E-31 | 5.53E-23 | 4.94E-17 | 1.74E-08 | 1.74E-08 | 1.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.63E-20 | 4.63E-38 | 1.72E-19 | 8.23E-28 | 1.05E-27 | 7.96E-31 | 5.53E-23 | 4.94E-17 | 1.74E-08 | 1.74E-08 | 1.37E-06 |
| THYROID | G | 1.66E-27 | 4.86E-26 | 4.44E-27 | 3.39E-36 | 4.12E-36 | 8.26E-39 | 6.38E-31 | 1.01E-25 | 3.17E-13 | 3.17E-13 | 2.62E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.66E-27 | 4.86E-26 | 4.44E-27 | 3.39E-36 | 4.12E-36 | 8.26E-39 | 6.38E-31 | 1.01E-25 | 3.17E-13 | 3.17E-13 | 2.62E-07 |
| UTERUS | G | 1.53E-22 | 3.04E-07 | 5.88E-17 | 1.07E-07 | 3.35E-10 | 4.01E-10 | 1.14E-16 | 1.37E-17 | 2.98E-26 | 2.98E-26 | 1.58E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.53E-22 | 3.04E-07 | 5.88E-17 | 1.07E-07 | 3.35E-10 | 4.01E-10 | 1.14E-16 | 1.37E-17 | 2.98E-26 | 2.98E-26 | 1.58E-06 |
| T BODY | G | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 |
| | B | 3.57E-06 | 4.02E-07 | 1.07E-06 | 2.86E-06 | 1.70E-06 | 2.12E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 |
| | T | 5.17E-06 | 2.00E-06 | 2.67E-06 | 4.46E-06 | 3.30E-06 | 3.71E-06 | 5.17E-06 | 5.17E-06 | 5.17E-06 | 5.17E-06 | 5.17E-06 |

CONTINUED NEXT PAGE

28-NICKEL-59 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.55E-21 | 2.37E-09 | 3.17E-08 | 3.17E-08 | 4.61E-08 | 1.24E-08 | 8.21E-09 | 8.66E-09 | 5.55E-34 | 1.66E-28 | 1.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 1.55E-21 | 2.37E-09 | 3.17E-08 | 3.17E-08 | 4.61E-08 | 1.24E-08 | 8.21E-09 | 8.66E-09 | 5.55E-34 | 1.66E-28 | 5.34E-06 |
| BLAD WALL | G | 1.40E-09 | 7.29E-23 | 1.77E-12 | 1.77E-12 | 7.26E-12 | 1.42E-12 | 1.67E-08 | 5.24E-23 | 3.91E-10 | 6.88E-26 | 1.39E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 1.40E-09 | 7.29E-23 | 1.77E-12 | 1.77E-12 | 7.26E-12 | 1.42E-12 | 1.67E-08 | 5.24E-23 | 3.91E-10 | 6.88E-26 | 4.96E-06 |
| GI TRACT S WALL | G | 6.34E-15 | 1.77E-07 | 1.14E-08 | 1.14E-08 | 1.16E-08 | 2.16E-08 | 2.14E-08 | 6.76E-08 | 1.09E-26 | 1.62E-26 | 1.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 6.34E-15 | 1.77E-07 | 1.14E-08 | 1.14E-08 | 1.16E-08 | 2.16E-08 | 2.14E-08 | 6.76E-08 | 1.09E-26 | 1.62E-26 | 5.13E-06 |
| SI+CONT | G | 2.25E-07 | 2.03E-12 | 1.19E-08 | 1.19E-08 | 2.53E-08 | 1.28E-08 | 5.05E-09 | 1.38E-11 | 2.09E-19 | 3.58E-36 | 1.61E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 2.25E-07 | 2.03E-12 | 1.19E-08 | 1.19E-08 | 2.53E-08 | 1.28E-08 | 5.05E-09 | 1.38E-11 | 2.09E-19 | 3.58E-36 | 5.18E-06 |
| ULI WALL | G | 7.00E-07 | 3.04E-12 | 1.66E-08 | 1.66E-08 | 5.30E-08 | 1.63E-08 | 9.86E-09 | 9.23E-12 | 1.06E-18 | 7.31E-36 | 1.63E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 7.00E-07 | 3.04E-12 | 1.66E-08 | 1.66E-08 | 5.30E-08 | 1.63E-08 | 9.86E-09 | 9.23E-12 | 1.06E-18 | 7.31E-36 | 5.20E-06 |
| LLI WALL | G | 7.78E-07 | 1.10E-15 | 5.07E-08 | 5.07E-08 | 1.19E-07 | 3.58E-08 | 4.48E-09 | 1.42E-13 | 1.02E-10 | 6.52E-39 | 1.62E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 7.78E-07 | 1.10E-15 | 5.07E-08 | 5.07E-08 | 1.19E-07 | 3.58E-08 | 4.48E-09 | 1.42E-13 | 1.02E-10 | 6.52E-39 | 5.19E-06 |
| KIDNEYS | G | 2.90E-15 | 1.77E-09 | 2.37E-08 | 2.37E-08 | 1.94E-08 | 3.67E-08 | 1.42E-08 | 5.50E-07 | 3.66E-28 | 6.95E-31 | 1.57E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 2.90E-15 | 1.77E-09 | 2.37E-08 | 2.37E-08 | 1.94E-08 | 3.67E-08 | 1.42E-08 | 5.50E-07 | 3.66E-28 | 6.95E-31 | 5.14E-06 |
| LIVER | G | 8.25E-16 | 1.20E-08 | 9.75E-09 | 9.75E-09 | 6.77E-09 | 1.35E-08 | 3.73E-09 | 5.64E-14 | 2.02E-27 | 9.90E-26 | 1.61E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 8.25E-16 | 1.20E-08 | 9.75E-09 | 9.75E-09 | 6.77E-09 | 1.35E-08 | 3.73E-09 | 5.64E-14 | 2.02E-27 | 9.90E-26 | 5.18E-06 |
| LUNGS | G | 4.01E-27 | 2.15E-10 | 1.32E-08 | 1.32E-08 | 1.23E-08 | 1.08E-08 | 6.29E-09 | 5.09E-08 | 1.76E-37 | 1.19E-14 | 1.51E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 4.01E-27 | 2.15E-10 | 1.32E-08 | 1.32E-08 | 1.23E-08 | 1.08E-08 | 6.29E-09 | 5.09E-08 | 1.76E-37 | 1.19E-14 | 5.08E-06 |
| RESP LYM NODE | G | 4.01E-27 | 2.15E-10 | 1.32E-08 | 1.32E-08 | 1.23E-08 | 1.08E-08 | 6.29E-09 | 5.09E-08 | 1.76E-37 | 1.19E-14 | 1.51E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 4.01E-27 | 2.15E-10 | 1.32E-08 | 1.32E-08 | 1.23E-08 | 1.08E-08 | 6.29E-09 | 5.09E-08 | 1.76E-37 | 1.19E-14 | 5.08E-06 |
| MUSCLE* | G | 3.22E-07 | 1.89E-07 | 3.02E-08 | 3.02E-08 | 4.12E-08 | 8.65E-08 | 3.13E-07 | 9.21E-08 | 3.91E-09 | 2.62E-07 | 1.60E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 3.22E-07 | 1.89E-07 | 3.02E-08 | 3.02E-08 | 4.12E-08 | 8.65E-08 | 3.13E-07 | 9.21E-08 | 3.91E-09 | 2.62E-07 | 5.17E-06 |
| OVARIES | G | 1.16E-02 | 4.13E-19 | 1.66E-09 | 1.66E-09 | 6.72E-09 | 1.82E-09 | 6.74E-13 | 7.69E-18 | 2.91E-45 | 1.83E-24 | 1.78E-06 |
| | B | 2.27E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 3.43E-02 | 4.13E-19 | 1.66E-09 | 1.66E-09 | 6.72E-09 | 1.82E-09 | 6.74E-13 | 7.69E-18 | 2.91E-45 | 1.83E-24 | 5.35E-06 |

28-NICKEL-59 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 3.71E-19 | 1.71E-03 | 3.06E-08 | 3.06E-08 | 3.62E-09 | 8.76E-09 | 1.11E-09 | 1.22E-07 | 7.55E-31 | 9.71E-28 | 1.64E-06 |
| | B | 0.0 | 2.50E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 3.71E-19 | 4.21E-03 | 3.06E-08 | 3.06E-08 | 3.62E-09 | 8.76E-09 | 1.11E-09 | 1.22E-07 | 7.55E-31 | 9.71E-28 | 5.21E-06 |
| SKELETON BONE | G | 2.12E-09 | 2.96E-09 | 1.05E-05 | 1.05E-05 | 4.75E-06 | 6.15E-06 | 1.45E-07 | 5.34E-10 | 5.74E-12 | 1.40E-10 | 5.98E-07 |
| | B | 0.0 | 0.0 | 5.00E-05 | 4.95E-05 | 2.93E-07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 2.12E-09 | 2.96E-09 | 6.05E-05 | 6.00E-05 | 5.04E-06 | 6.15E-06 | 1.45E-07 | 5.34E-10 | 5.74E-12 | 1.40E-10 | 4.17E-06 |
| R MARROW | G | 8.91E-09 | 6.14E-09 | 7.37E-06 | 7.37E-06 | 4.21E-05 | 6.55E-06 | 1.26E-07 | 5.54E-10 | 2.54E-10 | 2.10E-10 | 1.70E-06 |
| | B | 0.0 | 0.0 | 1.15E-08 | 1.46E-06 | 1.66E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 8.91E-09 | 6.14E-09 | 7.39E-06 | 8.84E-06 | 2.08E-04 | 6.55E-06 | 1.26E-07 | 5.54E-10 | 2.54E-10 | 2.10E-10 | 5.27E-06 |
| Y MARROW | G | 2.97E-09 | 2.51E-09 | 7.33E-06 | 7.33E-06 | 7.30E-06 | 3.44E-05 | 1.71E-07 | 7.27E-10 | 8.71E-11 | 8.78E-11 | 1.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.67E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 2.97E-09 | 2.51E-09 | 7.33E-06 | 7.33E-06 | 7.30E-06 | 2.01E-04 | 1.71E-07 | 7.27E-10 | 8.71E-11 | 8.78E-11 | 5.25E-06 |
| T E CL | G | 2.12E-09 | 2.96E-09 | 7.31E-06 | 7.31E-06 | 1.84E-05 | 1.82E-05 | 1.45E-07 | 5.34E-10 | 5.74E-12 | 1.40E-10 | 1.66E-06 |
| | B | 0.0 | 0.0 | 2.43E-06 | 5.09E-06 | 7.99E-05 | 4.16E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 2.12E-09 | 2.96E-09 | 9.75E-06 | 1.24E-05 | 9.83E-05 | 5.99E-05 | 1.45E-07 | 5.34E-10 | 5.74E-12 | 1.40E-10 | 5.23E-06 |
| SKIN | G | 6.74E-13 | 5.74E-10 | 3.88E-08 | 3.88E-08 | 3.87E-08 | 5.87E-08 | 2.80E-05 | 6.11E-10 | 1.15E-07 | 3.96E-08 | 1.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.61E-05 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 6.74E-13 | 5.74E-10 | 3.88E-08 | 3.88E-08 | 3.87E-08 | 5.87E-08 | 1.24E-04 | 6.11E-10 | 1.15E-07 | 3.96E-08 | 4.94E-06 |
| SPLEEN | G | 7.96E-18 | 1.14E-07 | 5.10E-08 | 5.10E-08 | 1.22E-08 | 1.55E-08 | 1.31E-08 | 6.19E-04 | 1.03E-30 | 5.33E-28 | 1.81E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-03 | 0.0 | 0.0 | 3.57E-06 |
| | T | 7.96E-18 | 1.14E-07 | 5.10E-08 | 5.10E-08 | 1.22E-08 | 1.55E-08 | 1.31E-08 | 2.01E-03 | 1.03E-30 | 5.33E-28 | 5.38E-06 |
| TESTES | G | 2.91E-45 | 7.56E-31 | 1.41E-12 | 1.41E-12 | 1.96E-10 | 2.07E-12 | 6.48E-08 | 9.54E-31 | 2.80E-03 | 1.94E-29 | 1.69E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.14E-03 | 0.0 | 3.57E-06 |
| | T | 2.91E-45 | 7.56E-31 | 1.41E-12 | 1.41E-12 | 1.96E-10 | 2.07E-12 | 6.48E-08 | 9.54E-31 | 9.94E-03 | 1.94E-29 | 5.26E-06 |
| THYMUS | G | 2.36E-34 | 1.56E-19 | 2.23E-08 | 2.23E-08 | 1.97E-09 | 2.57E-09 | 1.47E-09 | 4.30E-21 | 1.72E-25 | 9.60E-11 | 1.55E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 2.36E-34 | 1.56E-19 | 2.23E-08 | 2.23E-08 | 1.97E-09 | 2.57E-09 | 1.47E-09 | 4.30E-21 | 1.72E-25 | 9.60E-11 | 5.12E-06 |
| THYROID | G | 1.80E-24 | 9.45E-28 | 1.03E-08 | 1.03E-08 | 8.34E-09 | 8.29E-09 | 9.80E-08 | 4.93E-28 | 1.96E-29 | 5.07E-03 | 2.02E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-02 | 3.57E-06 |
| | T | 1.80E-24 | 9.45E-28 | 1.03E-08 | 1.03E-08 | 8.34E-09 | 8.29E-09 | 9.80E-08 | 4.93E-28 | 1.96E-29 | 1.76E-02 | 5.59E-06 |
| UTERUS | G | 1.43E-07 | 1.29E-19 | 7.26E-12 | 7.26E-12 | 5.00E-11 | 1.28E-11 | 4.05E-09 | 5.90E-20 | 2.91E-45 | 4.68E-25 | 1.71E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-06 |
| | T | 1.43E-07 | 1.29E-19 | 7.26E-12 | 7.26E-12 | 5.00E-11 | 1.28E-11 | 4.05E-09 | 5.90E-20 | 2.91E-45 | 4.68E-25 | 5.28E-06 |
| T BODY | G | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.36E-06 | 1.60E-06 | 1.60E-06 | 1.60E-06 | 1.59E-06 |
| | B | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 | 3.57E-06 |
| | T | 5.17E-06 | 5.17E-06 | 5.17E-06 | 5.17E-06 | 5.17E-06 | 5.17E-06 | 4.93E-06 | 5.17E-06 | 5.17E-06 | 5.17E-06 | 5.16E-06 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA, VOL. 2, NO. 5, (1968)
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 28-NICKEL-65 (TR=2.544E 00 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.20E-02 | 2.52E-05 | 3.08E-04 | 1.14E-04 | 1.09E-04 | 4.77E-05 | 1.12E-03 | 4.29E-04 | 1.94E-04 | 1.94E-04 | 1.44E-04 |
| | B | 2.25E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.29E 00 | 2.52E-05 | 3.08E-04 | 1.14E-04 | 1.09E-04 | 4.77E-05 | 1.12E-03 | 4.29E-04 | 1.94E-04 | 1.94E-04 | 1.44E-04 |
| BLAD WALL | G | 2.51E-05 | 6.39E-03 | 4.54E-05 | 2.93E-04 | 1.65E-04 | 5.78E-04 | 4.47E-05 | 2.37E-05 | 9.72E-06 | 9.72E-06 | 1.66E-04 |
| | B | 0.0 | 7.87E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.51E-05 | 8.51E-02 | 4.54E-05 | 2.93E-04 | 1.65E-04 | 5.78E-04 | 4.47E-05 | 2.37E-05 | 9.72E-06 | 9.72E-06 | 1.66E-04 |
| GI TRACT S WALL | G | 2.59E-04 | 4.33E-05 | 4.61E-03 | 3.31E-04 | 3.05E-04 | 1.46E-04 | 2.75E-04 | 1.85E-04 | 1.87E-04 | 1.87E-04 | 1.34E-04 |
| | B | 0.0 | 0.0 | 6.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.59E-04 | 4.33E-05 | 6.76E-02 | 3.31E-04 | 3.05E-04 | 1.46E-04 | 2.75E-04 | 1.85E-04 | 1.87E-04 | 1.87E-04 | 1.34E-04 |
| SI+CONT | G | 1.01E-04 | 2.52E-04 | 2.30E-04 | 2.78E-03 | 1.42E-03 | 8.15E-04 | 2.70E-04 | 1.55E-04 | 3.15E-05 | 3.15E-05 | 1.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 3.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.01E-04 | 2.52E-04 | 2.30E-04 | 4.21E-02 | 1.42E-03 | 8.15E-04 | 2.70E-04 | 1.55E-04 | 3.15E-05 | 3.15E-05 | 1.45E-04 |
| ULI WALL | G | 9.42E-05 | 1.88E-04 | 3.35E-04 | 2.06E-03 | 3.88E-03 | 4.01E-04 | 2.78E-04 | 2.08E-04 | 4.28E-05 | 4.28E-05 | 1.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.16E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.42E-05 | 1.88E-04 | 3.35E-04 | 2.06E-03 | 7.54E-02 | 4.01E-04 | 2.78E-04 | 2.08E-04 | 4.28E-05 | 4.28E-05 | 1.54E-04 |
| LLI WALL | G | 3.52E-05 | 6.49E-04 | 1.36E-04 | 6.26E-04 | 2.78E-04 | 4.67E-03 | 9.75E-05 | 3.45E-05 | 7.34E-06 | 7.34E-06 | 1.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.52E-05 | 6.49E-04 | 1.36E-04 | 6.26E-04 | 2.78E-04 | 1.21E-01 | 9.75E-05 | 3.45E-05 | 7.34E-06 | 7.34E-06 | 1.59E-04 |
| KIDNEYS | G | 9.73E-04 | 4.64E-05 | 3.04E-04 | 2.76E-04 | 2.65E-04 | 9.08E-05 | 6.57E-03 | 3.49E-04 | 1.05E-04 | 1.05E-04 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.73E-04 | 4.64E-05 | 3.04E-04 | 2.76E-04 | 2.65E-04 | 9.08E-05 | 1.08E-01 | 3.49E-04 | 1.05E-04 | 1.05E-04 | 1.37E-04 |
| LIVER | G | 4.43E-04 | 2.94E-05 | 1.88E-04 | 1.75E-04 | 2.35E-04 | 4.32E-05 | 3.54E-04 | 2.31E-03 | 2.22E-04 | 2.22E-04 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.75E-02 | 0.0 | 0.0 | 0.0 |
| | T | 4.43E-04 | 2.94E-05 | 1.88E-04 | 1.75E-04 | 2.35E-04 | 4.32E-05 | 3.54E-04 | 1.98E-02 | 2.22E-04 | 2.22E-04 | 1.06E-04 |
| LUNGS | G | 2.26E-04 | 8.90E-06 | 1.68E-04 | 3.29E-05 | 4.23E-05 | 1.64E-05 | 9.19E-05 | 2.34E-04 | 1.32E-03 | 1.32E-03 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.15E-02 | 3.15E-02 | 0.0 |
| | T | 2.26E-04 | 8.90E-06 | 1.68E-04 | 3.29E-05 | 4.23E-05 | 1.64E-05 | 9.19E-05 | 2.34E-04 | 3.28E-02 | 3.28E-02 | 1.24E-04 |
| RESP LYM NODE | G | 2.26E-04 | 8.90E-06 | 1.68E-04 | 3.29E-05 | 4.23E-05 | 1.64E-05 | 9.19E-05 | 2.34E-04 | 1.32E-03 | 1.32E-03 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.15E-02 | 2.10E 00 | 0.0 |
| | T | 2.26E-04 | 8.90E-06 | 1.68E-04 | 3.29E-05 | 4.23E-05 | 1.64E-05 | 9.19E-05 | 2.34E-04 | 3.28E-02 | 2.10E 00 | 1.24E-04 |
| MUSCLE* | G | 1.44E-04 | 1.66E-04 | 1.34E-04 | 1.45E-04 | 1.39E-04 | 1.59E-04 | 1.37E-04 | 1.06E-04 | 1.24E-04 | 1.24E-04 | 1.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-03 |
| | T | 1.44E-04 | 1.66E-04 | 1.34E-04 | 1.45E-04 | 1.39E-04 | 1.59E-04 | 1.37E-04 | 1.06E-04 | 1.24E-04 | 1.24E-04 | 1.27E-03 |
| OVARIES | G | 2.17E-05 | 6.24E-04 | 1.05E-04 | 7.86E-04 | 6.26E-04 | 1.56E-03 | 1.27E-04 | 9.37E-05 | 1.75E-05 | 1.75E-05 | 1.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.17E-05 | 6.24E-04 | 1.05E-04 | 7.86E-04 | 6.26E-04 | 1.56E-03 | 1.27E-04 | 9.37E-05 | 1.75E-05 | 1.75E-05 | 1.85E-04 |

28-NICKEL-65 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 8.01E-04 | 2.60E-05 | 1.55E-03 | 1.66E-04 | 1.95E-04 | 6.41E-05 | 6.12E-04 | 3.78E-04 | 2.25E-04 | 2.25E-04 | 1.66E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.01E-04 | 2.60E-05 | 1.55E-03 | 1.66E-04 | 1.95E-04 | 6.41E-05 | 6.12E-04 | 3.78E-04 | 2.25E-04 | 2.25E-04 | 1.66E-04 |
| SKELETON BONE | G | 1.25E-04 | 5.28E-05 | 5.51E-05 | 7.26E-05 | 6.54E-05 | 9.36E-05 | 9.14E-05 | 6.88E-05 | 8.96E-05 | 8.96E-05 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.25E-04 | 5.28E-05 | 5.51E-05 | 7.26E-05 | 6.54E-05 | 9.36E-05 | 9.14E-05 | 6.88E-05 | 8.96E-05 | 8.96E-05 | 1.08E-04 |
| R MARROW | G | 2.19E-04 | 1.08E-04 | 9.05E-05 | 2.21E-04 | 1.87E-04 | 2.74E-04 | 2.28E-04 | 9.86E-05 | 1.15E-04 | 1.15E-04 | 1.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.19E-04 | 1.08E-04 | 9.05E-05 | 2.21E-04 | 1.87E-04 | 2.74E-04 | 2.28E-04 | 9.86E-05 | 1.15E-04 | 1.15E-04 | 1.20E-04 |
| Y MARROW | G | 1.21E-04 | 4.85E-05 | 7.80E-05 | 9.89E-05 | 9.24E-05 | 1.16E-04 | 1.12E-04 | 1.03E-04 | 9.19E-05 | 9.19E-05 | 9.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.21E-04 | 4.85E-05 | 7.80E-05 | 9.89E-05 | 9.24E-05 | 1.16E-04 | 1.12E-04 | 1.03E-04 | 9.19E-05 | 9.19E-05 | 9.85E-05 |
| T E CL | G | 1.25E-04 | 5.28E-05 | 5.51E-05 | 7.26E-05 | 6.54E-05 | 9.36E-05 | 9.14E-05 | 6.88E-05 | 8.96E-05 | 8.96E-05 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.25E-04 | 5.28E-05 | 5.51E-05 | 7.26E-05 | 6.54E-05 | 9.36E-05 | 9.14E-05 | 6.88E-05 | 8.96E-05 | 8.96E-05 | 1.08E-04 |
| SKIN | G | 7.30E-05 | 6.77E-05 | 5.99E-05 | 5.87E-05 | 5.59E-05 | 6.55E-05 | 6.50E-05 | 6.14E-05 | 6.80E-05 | 6.80E-05 | 9.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.30E-05 | 6.77E-05 | 5.99E-05 | 5.87E-05 | 5.59E-05 | 6.55E-05 | 6.50E-05 | 6.14E-05 | 6.80E-05 | 6.80E-05 | 9.06E-05 |
| SPLEEN | G | 5.35E-04 | 2.10E-05 | 8.67E-04 | 1.57E-04 | 1.41E-04 | 9.57E-05 | 7.53E-04 | 9.59E-05 | 1.77E-04 | 1.77E-04 | 1.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.35E-04 | 2.10E-05 | 8.67E-04 | 1.57E-04 | 1.41E-04 | 9.57E-05 | 7.53E-04 | 9.59E-05 | 1.77E-04 | 1.77E-04 | 1.39E-04 |
| TESTES | G | 9.58E-06 | 4.13E-04 | 1.72E-05 | 5.63E-05 | 4.41E-05 | 1.48E-04 | 1.76E-05 | 1.70E-05 | 4.08E-06 | 4.08E-06 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.58E-06 | 4.13E-04 | 1.72E-05 | 5.63E-05 | 4.41E-05 | 1.48E-04 | 1.76E-05 | 1.70E-05 | 4.08E-06 | 4.08E-06 | 1.21E-04 |
| THYMUS | G | 6.14E-05 | 5.10E-06 | 7.09E-05 | 1.65E-05 | 1.77E-05 | 7.99E-06 | 2.74E-05 | 7.00E-05 | 4.07E-04 | 4.07E-04 | 1.95E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.14E-05 | 5.10E-06 | 7.09E-05 | 1.65E-05 | 1.77E-05 | 7.99E-06 | 2.74E-05 | 7.00E-05 | 4.07E-04 | 4.07E-04 | 1.95E-04 |
| THYROID | G | 2.43E-05 | 2.04E-06 | 1.77E-05 | 6.05E-06 | 6.37E-06 | 3.21E-06 | 1.21E-05 | 2.07E-05 | 9.80E-05 | 9.80E-05 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.43E-05 | 2.04E-06 | 1.77E-05 | 6.05E-06 | 6.37E-06 | 3.21E-06 | 1.21E-05 | 2.07E-05 | 9.80E-05 | 9.80E-05 | 1.29E-04 |
| UTERUS | G | 4.86E-05 | 1.26E-03 | 9.78E-05 | 7.57E-04 | 4.65E-04 | 5.40E-04 | 1.03E-04 | 5.58E-05 | 2.33E-05 | 2.33E-05 | 1.89E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.86E-05 | 1.26E-03 | 9.78E-05 | 7.57E-04 | 4.65E-04 | 5.40E-04 | 1.03E-04 | 5.58E-05 | 2.33E-05 | 2.33E-05 | 1.89E-04 |
| T BODY | G | 1.57E-04 | 1.73E-04 | 1.66E-04 | 1.82E-04 | 1.77E-04 | 1.77E-04 | 1.60E-04 | 1.58E-04 | 1.34E-04 | 1.34E-04 | 1.37E-04 |
| | B | 4.50E-04 | 5.06E-05 | 1.35E-04 | 3.60E-04 | 2.15E-04 | 2.67E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 |
| | T | 6.07E-04 | 2.24E-04 | 3.01E-04 | 5.42E-04 | 3.92E-04 | 4.43E-04 | 6.09E-04 | 6.08E-04 | 5.84E-04 | 5.84E-04 | 5.87E-04 |

CONTINUED NEXT PAGE

28-NICKEL-65 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 5.31E-05 | 7.13E-04 | 1.90E-04 | 1.90E-04 | 2.23E-04 | 1.08E-04 | 8.45E-05 | 6.19E-04 | 9.58E-06 | 2.21E-05 | 2.64E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 5.31E-05 | 7.13E-04 | 1.90E-04 | 1.90E-04 | 2.23E-04 | 1.08E-04 | 8.45E-05 | 6.19E-04 | 9.58E-06 | 2.21E-05 | 7.13E-04 |
| BLAD WALL | G | 6.35E-04 | 2.60E-05 | 6.75E-05 | 6.75E-05 | 1.11E-04 | 3.97E-05 | 7.98E-05 | 2.91E-05 | 4.47E-04 | 2.05E-06 | 1.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 6.35E-04 | 2.60E-05 | 6.75E-05 | 6.75E-05 | 1.11E-04 | 3.97E-05 | 7.98E-05 | 2.91E-05 | 4.47E-04 | 2.05E-06 | 6.28E-04 |
| GI TRACT S WALL | G | 9.17E-05 | 1.54E-03 | 5.63E-05 | 5.63E-05 | 1.09E-04 | 6.97E-05 | 6.30E-05 | 9.30E-04 | 1.12E-05 | 1.76E-05 | 1.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 9.17E-05 | 1.54E-03 | 5.63E-05 | 5.63E-05 | 1.09E-04 | 6.97E-05 | 6.30E-05 | 9.30E-04 | 1.12E-05 | 1.76E-05 | 5.86E-04 |
| SI+CONT | G | 1.03E-03 | 1.72E-04 | 7.48E-05 | 7.48E-05 | 2.33E-04 | 9.82E-05 | 5.87E-05 | 1.40E-04 | 5.36E-05 | 5.19E-06 | 1.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 1.03E-03 | 1.72E-04 | 7.48E-05 | 7.48E-05 | 2.33E-04 | 9.82E-05 | 5.87E-05 | 1.40E-04 | 5.36E-05 | 5.19E-06 | 6.30E-04 |
| ULI WALL | G | 9.81E-04 | 2.07E-04 | 7.25E-05 | 7.25E-05 | 1.78E-04 | 9.45E-05 | 5.72E-05 | 1.39E-04 | 3.71E-05 | 6.11E-06 | 1.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 9.81E-04 | 2.07E-04 | 7.25E-05 | 7.25E-05 | 1.78E-04 | 9.45E-05 | 5.72E-05 | 1.39E-04 | 3.71E-05 | 6.11E-06 | 6.17E-04 |
| LLI WALL | G | 1.24E-03 | 6.60E-05 | 9.57E-05 | 9.57E-05 | 2.68E-04 | 9.16E-05 | 6.02E-05 | 6.35E-05 | 2.37E-04 | 2.79E-06 | 1.82E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 1.24E-03 | 6.60E-05 | 9.57E-05 | 9.57E-05 | 2.68E-04 | 9.16E-05 | 6.02E-05 | 6.35E-05 | 2.37E-04 | 2.79E-06 | 6.32E-04 |
| KIDNEYS | G | 1.03E-04 | 5.60E-04 | 1.01E-04 | 1.01E-04 | 2.40E-04 | 1.11E-04 | 7.34E-05 | 7.75E-04 | 1.62E-05 | 1.61E-05 | 1.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 1.03E-04 | 5.60E-04 | 1.01E-04 | 1.01E-04 | 2.40E-04 | 1.11E-04 | 7.34E-05 | 7.75E-04 | 1.62E-05 | 1.61E-05 | 6.06E-04 |
| LIVER | G | 6.48E-05 | 3.74E-04 | 7.02E-05 | 7.02E-05 | 1.00E-04 | 1.07E-04 | 6.67E-05 | 1.05E-04 | 1.18E-05 | 2.12E-05 | 1.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 6.48E-05 | 3.74E-04 | 7.02E-05 | 7.02E-05 | 1.00E-04 | 1.07E-04 | 6.67E-05 | 1.05E-04 | 1.18E-05 | 2.12E-05 | 6.09E-04 |
| LUNGS | G | 1.65E-05 | 2.10E-04 | 9.35E-05 | 9.35E-05 | 1.21E-04 | 1.01E-04 | 7.04E-05 | 1.93E-04 | 4.24E-06 | 1.05E-04 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 1.65E-05 | 2.10E-04 | 9.35E-05 | 9.35E-05 | 1.21E-04 | 1.01E-04 | 7.04E-05 | 1.93E-04 | 4.24E-06 | 1.05E-04 | 5.77E-04 |
| RESP LYM NODE | G | 1.65E-05 | 2.10E-04 | 9.35E-05 | 9.35E-05 | 1.21E-04 | 1.01E-04 | 7.04E-05 | 1.93E-04 | 4.24E-06 | 1.05E-04 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 1.65E-05 | 2.10E-04 | 9.35E-05 | 9.35E-05 | 1.21E-04 | 1.01E-04 | 7.04E-05 | 1.93E-04 | 4.24E-06 | 1.05E-04 | 5.77E-04 |
| MUSCLE* | G | 1.85E-04 | 1.66E-04 | 1.08E-04 | 1.08E-04 | 1.25E-04 | 9.83E-05 | 9.06E-05 | 1.39E-04 | 1.21E-04 | 1.29E-04 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 1.85E-04 | 1.66E-04 | 1.08E-04 | 1.08E-04 | 1.25E-04 | 9.83E-05 | 9.06E-05 | 1.39E-04 | 1.21E-04 | 1.29E-04 | 5.87E-04 |
| OVARIES | G | 6.99E-02 | 7.84E-05 | 8.72E-05 | 8.72E-05 | 3.19E-04 | 9.11E-05 | 5.51E-05 | 6.21E-05 | 6.24E-49 | 3.31E-06 | 1.80E-04 |
| | B | 2.86E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 2.93E 00 | 7.84E-05 | 8.72E-05 | 8.72E-05 | 3.19E-04 | 9.11E-05 | 5.51E-05 | 6.21E-05 | 6.24E-49 | 3.31E-06 | 6.30E-04 |

28-NICKEL-65 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 6.34E-05 | 1.94E-02 | 1.08E-04 | 1.08E-04 | 1.19E-04 | 1.02E-04 | 5.28E-05 | 1.61E-03 | 1.27E-05 | 3.38E-05 | 1.54E-04 |
| | B | 0.0 | 3.15E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 6.34E-05 | 3.34E-01 | 1.08E-04 | 1.08E-04 | 1.19E-04 | 1.02E-04 | 5.28E-05 | 1.61E-03 | 1.27E-05 | 3.38E-05 | 6.03E-04 |
| SKELETON BONE | G | 8.34E-05 | 8.51E-05 | 3.14E-04 | 3.14E-04 | 2.10E-04 | 2.36E-04 | 8.34E-05 | 7.26E-05 | 6.18E-05 | 7.11E-05 | 1.34E-04 |
| | B | 0.0 | 0.0 | 6.30E-03 | 3.66E-03 | 1.76E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 8.34E-05 | 8.51E-05 | 6.61E-03 | 3.97E-03 | 1.97E-03 | 2.36E-04 | 8.34E-05 | 7.26E-05 | 6.18E-05 | 7.11E-05 | 5.84E-04 |
| R MARROW | G | 2.66E-04 | 1.58E-04 | 2.85E-04 | 2.85E-04 | 6.63E-04 | 2.40E-04 | 7.85E-05 | 1.04E-04 | 4.73E-05 | 7.77E-05 | 1.47E-04 |
| | B | 0.0 | 0.0 | 4.37E-04 | 8.81E-03 | 1.40E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 2.66E-04 | 1.58E-04 | 7.22E-04 | 9.09E-03 | 1.46E-02 | 2.40E-04 | 7.85E-05 | 1.04E-04 | 4.73E-05 | 7.77E-05 | 5.96E-04 |
| Y MARROW | G | 1.09E-04 | 1.01E-04 | 2.70E-04 | 2.70E-04 | 2.59E-04 | 4.00E-04 | 8.87E-05 | 1.07E-04 | 2.79E-05 | 3.98E-05 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.10E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 1.09E-04 | 1.01E-04 | 2.70E-04 | 2.70E-04 | 2.59E-04 | 2.14E-02 | 8.87E-05 | 1.07E-04 | 2.79E-05 | 3.98E-05 | 5.74E-04 |
| T E CL | G | 8.34E-05 | 8.51E-05 | 3.14E-04 | 3.14E-04 | 2.82E-04 | 2.60E-04 | 8.34E-05 | 7.26E-05 | 6.18E-05 | 7.11E-05 | 1.34E-04 |
| | B | 0.0 | 0.0 | 3.91E-03 | 5.79E-03 | 6.64E-03 | 5.25E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 8.34E-05 | 8.51E-05 | 4.22E-03 | 6.10E-03 | 6.92E-03 | 5.51E-03 | 8.34E-05 | 7.26E-05 | 6.18E-05 | 7.11E-05 | 5.84E-04 |
| SKIN | G | 5.38E-05 | 5.41E-05 | 8.58E-05 | 8.58E-05 | 7.56E-05 | 9.05E-05 | 1.96E-04 | 6.24E-05 | 1.54E-04 | 8.99E-05 | 9.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.21E-02 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 5.38E-05 | 5.41E-05 | 8.58E-05 | 8.58E-05 | 7.56E-05 | 9.05E-05 | 1.23E-02 | 6.24E-05 | 1.54E-04 | 8.99E-05 | 5.44E-04 |
| SPLEEN | G | 5.29E-05 | 1.65E-03 | 6.85E-05 | 6.85E-05 | 9.31E-05 | 1.17E-04 | 6.26E-05 | 1.17E-02 | 7.17E-06 | 1.94E-05 | 1.50E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.75E-01 | 0.0 | 0.0 | 4.50E-04 |
| | T | 5.29E-05 | 1.65E-03 | 6.85E-05 | 6.85E-05 | 9.31E-05 | 1.17E-04 | 6.26E-05 | 1.87E-01 | 7.17E-06 | 1.94E-05 | 6.00E-04 |
| TESTES | G | 6.24E-49 | 1.32E-05 | 7.06E-05 | 7.06E-05 | 2.39E-05 | 8.53E-05 | 9.26E-05 | 1.22E-05 | 3.23E-02 | 9.55E-07 | 1.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.00E-01 | 0.0 | 4.50E-04 |
| | T | 6.24E-49 | 1.32E-05 | 7.06E-05 | 7.06E-05 | 2.39E-05 | 8.53E-05 | 9.26E-05 | 1.22E-05 | 9.32E-01 | 9.55E-07 | 6.04E-04 |
| THYMUS | G | 8.49E-06 | 6.20E-05 | 5.43E-05 | 5.43E-05 | 8.92E-05 | 6.84E-05 | 6.32E-05 | 2.91E-05 | 2.29E-06 | 3.93E-04 | 1.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 8.49E-06 | 6.20E-05 | 5.43E-05 | 5.43E-05 | 8.92E-05 | 6.84E-05 | 6.32E-05 | 2.91E-05 | 2.29E-06 | 3.93E-04 | 6.18E-04 |
| THYROID | G | 3.30E-06 | 1.67E-05 | 9.71E-05 | 9.71E-05 | 7.22E-05 | 6.56E-05 | 7.10E-05 | 1.73E-05 | 9.55E-07 | 4.46E-02 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.57E 00 | 4.50E-04 |
| | T | 3.30E-06 | 1.67E-05 | 9.71E-05 | 9.71E-05 | 7.22E-05 | 6.56E-05 | 7.10E-05 | 1.73E-05 | 9.55E-07 | 1.62E 00 | 5.81E-04 |
| UTERUS | G | 1.52E-03 | 5.77E-05 | 6.84E-05 | 6.84E-05 | 1.64E-04 | 4.73E-05 | 6.64E-05 | 3.12E-05 | 6.24E-49 | 3.17E-06 | 1.75E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-04 |
| | T | 1.52E-03 | 5.77E-05 | 6.84E-05 | 6.84E-05 | 1.64E-04 | 4.73E-05 | 6.64E-05 | 3.12E-05 | 6.24E-49 | 3.17E-06 | 6.24E-04 |
| T BODY | G | 1.84E-04 | 1.81E-04 | 1.36E-04 | 1.36E-04 | 1.50E-04 | 1.21E-04 | 9.08E-05 | 1.58E-04 | 1.37E-04 | 1.23E-04 | 1.35E-04 |
| | B | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 | 4.50E-04 |
| | T | 6.34E-04 | 6.31E-04 | 5.86E-04 | 5.86E-04 | 6.00E-04 | 5.71E-04 | 5.41E-04 | 6.08E-04 | 5.87E-04 | 5.73E-04 | 5.85E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA, VOL. 2, NO. 6, (1968)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 33-ARSENIC-76 (TR=2.640E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.34E-02 | 1.79E-05 | 1.71E-04 | 9.03E-05 | 7.93E-05 | 3.66E-05 | 8.96E-04 | 3.54E-04 | 1.68E-04 | 1.68E-04 | 1.12E-04 |
| | B | 3.82E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.86E 00 | 1.79E-05 | 1.71E-04 | 9.03E-05 | 7.93E-05 | 3.66E-05 | 8.96E-04 | 3.54E-04 | 1.68E-04 | 1.68E-04 | 1.12E-04 |
| BLAD WALL | G | 1.27E-05 | 5.26E-03 | 3.42E-05 | 2.26E-04 | 1.43E-04 | 4.09E-04 | 3.06E-05 | 2.20E-05 | 6.21E-06 | 6.21E-06 | 1.30E-04 |
| | B | 0.0 | 1.34E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.27E-05 | 1.39E-01 | 3.42E-05 | 2.26E-04 | 1.43E-04 | 4.09E-04 | 3.06E-05 | 2.20E-05 | 6.21E-06 | 6.21E-06 | 1.30E-04 |
| GI TRACT S WALL | G | 2.11E-04 | 2.96E-05 | 3.74E-03 | 2.50E-04 | 2.58E-04 | 1.26E-04 | 2.40E-04 | 1.41E-04 | 1.39E-04 | 1.39E-04 | 1.03E-04 |
| | B | 0.0 | 0.0 | 1.07E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.11E-04 | 2.96E-05 | 1.11E-01 | 2.50E-04 | 2.58E-04 | 1.26E-04 | 2.40E-04 | 1.41E-04 | 1.39E-04 | 1.39E-04 | 1.03E-04 |
| SI+CONT | G | 7.20E-05 | 1.94E-04 | 1.89E-04 | 2.22E-03 | 1.16E-03 | 6.45E-04 | 2.02E-04 | 1.16E-04 | 2.22E-05 | 2.22E-05 | 1.13E-04 |
| | B | 0.0 | 0.0 | 0.0 | 6.69E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.20E-05 | 1.94E-04 | 1.89E-04 | 6.91E-02 | 1.16E-03 | 6.45E-04 | 2.02E-04 | 1.16E-04 | 2.22E-05 | 2.22E-05 | 1.13E-04 |
| ULI WALL | G | 7.81E-05 | 1.61E-04 | 2.38E-04 | 1.64E-03 | 3.10E-03 | 3.02E-04 | 2.09E-04 | 1.80E-04 | 2.98E-05 | 2.98E-05 | 1.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.22E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.81E-05 | 1.61E-04 | 2.38E-04 | 1.64E-03 | 1.25E-01 | 3.02E-04 | 2.09E-04 | 1.80E-04 | 2.98E-05 | 2.98E-05 | 1.19E-04 |
| LLI WALL | G | 2.53E-05 | 5.06E-04 | 9.67E-05 | 4.93E-04 | 2.22E-04 | 3.71E-03 | 6.66E-05 | 2.37E-05 | 6.00E-06 | 6.00E-06 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.53E-05 | 5.06E-04 | 9.67E-05 | 4.93E-04 | 2.22E-04 | 2.02E-01 | 6.66E-05 | 2.37E-05 | 6.00E-06 | 6.00E-06 | 1.24E-04 |
| KIDNEYS | G | 8.17E-04 | 2.94E-05 | 2.38E-04 | 2.28E-04 | 2.01E-04 | 6.50E-05 | 5.24E-03 | 2.73E-04 | 7.59E-05 | 7.59E-05 | 1.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.73E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.17E-04 | 2.94E-05 | 2.38E-04 | 2.28E-04 | 2.01E-04 | 6.50E-05 | 1.78E-01 | 2.73E-04 | 7.59E-05 | 7.59E-05 | 1.05E-04 |
| LIVER | G | 3.51E-04 | 2.20E-05 | 1.48E-04 | 1.34E-04 | 1.81E-04 | 2.77E-05 | 2.86E-04 | 1.85E-03 | 1.73E-04 | 1.73E-04 | 8.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.97E-02 | 0.0 | 0.0 | 0.0 |
| | T | 3.51E-04 | 2.20E-05 | 1.48E-04 | 1.34E-04 | 1.81E-04 | 2.77E-05 | 2.86E-04 | 3.16E-02 | 1.73E-04 | 1.73E-04 | 8.22E-05 |
| LUNGS | G | 1.71E-04 | 4.86E-06 | 1.33E-04 | 2.53E-05 | 2.77E-05 | 9.81E-06 | 7.09E-05 | 1.76E-04 | 1.05E-03 | 1.05E-03 | 9.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.35E-02 | 5.35E-02 | 0.0 |
| | T | 1.71E-04 | 4.86E-06 | 1.33E-04 | 2.53E-05 | 2.77E-05 | 9.81E-06 | 7.09E-05 | 1.76E-04 | 5.46E-02 | 5.46E-02 | 9.75E-05 |
| RESP LYM NODE | G | 1.71E-04 | 4.86E-06 | 1.33E-04 | 2.53E-05 | 2.77E-05 | 9.81E-06 | 7.09E-05 | 1.76E-04 | 1.05E-03 | 1.05E-03 | 9.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.35E-02 | 3.57E 00 | 0.0 |
| | T | 1.71E-04 | 4.86E-06 | 1.33E-04 | 2.53E-05 | 2.77E-05 | 9.81E-06 | 7.09E-05 | 1.76E-04 | 5.46E-02 | 3.57E 00 | 9.75E-05 |
| MUSCLE* | G | 1.12E-04 | 1.30E-04 | 1.03E-04 | 1.13E-04 | 1.08E-04 | 1.24E-04 | 1.05E-04 | 8.22E-05 | 9.75E-05 | 9.75E-05 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.91E-03 |
| | T | 1.12E-04 | 1.30E-04 | 1.03E-04 | 1.13E-04 | 1.08E-04 | 1.24E-04 | 1.05E-04 | 8.22E-05 | 9.75E-05 | 9.75E-05 | 2.02E-03 |
| OVARIES | G | 3.65E-05 | 4.33E-04 | 5.99E-05 | 6.51E-04 | 7.78E-04 | 1.18E-03 | 9.36E-05 | 3.33E-05 | 1.21E-05 | 1.21E-05 | 1.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.65E-05 | 4.33E-04 | 5.99E-05 | 6.51E-04 | 7.78E-04 | 1.18E-03 | 9.36E-05 | 3.33E-05 | 1.21E-05 | 1.21E-05 | 1.45E-04 |

33-ARSENIC-76 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 6.18E-04 | 2.06E-05 | 1.24E-03 | 1.47E-04 | 1.40E-04 | 5.43E-05 | 4.78E-04 | 3.29E-04 | 1.89E-04 | 1.89E-04 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.18E-04 | 2.06E-05 | 1.24E-03 | 1.47E-04 | 1.40E-04 | 5.43E-05 | 4.78E-04 | 3.29E-04 | 1.89E-04 | 1.89E-04 | 1.31E-04 |
| SKELETON BONE | G | 9.88E-05 | 4.22E-05 | 4.37E-05 | 5.70E-05 | 5.19E-05 | 7.50E-05 | 7.13E-05 | 5.34E-05 | 7.24E-05 | 7.24E-05 | 8.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.88E-05 | 4.22E-05 | 4.37E-05 | 5.70E-05 | 5.19E-05 | 7.50E-05 | 7.13E-05 | 5.34E-05 | 7.24E-05 | 7.24E-05 | 8.19E-05 |
| R MARROW | G | 1.76E-04 | 8.87E-05 | 7.43E-05 | 1.78E-04 | 1.53E-04 | 2.23E-04 | 1.79E-04 | 7.74E-05 | 9.14E-05 | 9.14E-05 | 9.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.76E-04 | 8.87E-05 | 7.43E-05 | 1.78E-04 | 1.53E-04 | 2.23E-04 | 1.79E-04 | 7.74E-05 | 9.14E-05 | 9.14E-05 | 9.86E-05 |
| Y MARROW | G | 9.59E-05 | 3.88E-05 | 6.08E-05 | 7.86E-05 | 7.35E-05 | 9.26E-05 | 8.84E-05 | 7.86E-05 | 7.60E-05 | 7.60E-05 | 8.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.59E-05 | 3.88E-05 | 6.08E-05 | 7.86E-05 | 7.35E-05 | 9.26E-05 | 8.84E-05 | 7.86E-05 | 7.60E-05 | 7.60E-05 | 8.05E-05 |
| T E CL | G | 9.88E-05 | 4.22E-05 | 4.37E-05 | 5.70E-05 | 5.19E-05 | 7.50E-05 | 7.13E-05 | 5.34E-05 | 7.24E-05 | 7.24E-05 | 8.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.88E-05 | 4.22E-05 | 4.37E-05 | 5.70E-05 | 5.19E-05 | 7.50E-05 | 7.13E-05 | 5.34E-05 | 7.24E-05 | 7.24E-05 | 8.19E-05 |
| SKIN | G | 5.20E-05 | 4.97E-05 | 4.50E-05 | 4.11E-05 | 4.17E-05 | 4.53E-05 | 4.96E-05 | 4.57E-05 | 5.09E-05 | 5.09E-05 | 6.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.20E-05 | 4.97E-05 | 4.50E-05 | 4.11E-05 | 4.17E-05 | 4.53E-05 | 4.96E-05 | 4.57E-05 | 5.09E-05 | 5.09E-05 | 6.83E-05 |
| SPLEEN | G | 4.54E-04 | 1.76E-05 | 6.85E-04 | 1.16E-04 | 9.52E-05 | 7.24E-05 | 5.99E-04 | 7.59E-05 | 1.54E-04 | 1.54E-04 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.54E-04 | 1.76E-05 | 6.85E-04 | 1.16E-04 | 9.52E-05 | 7.24E-05 | 5.99E-04 | 7.59E-05 | 1.54E-04 | 1.54E-04 | 1.08E-04 |
| TESTES | G | 6.03E-06 | 3.60E-04 | 6.34E-06 | 3.31E-05 | 3.85E-05 | 1.38E-04 | 1.20E-05 | 1.14E-05 | 2.30E-06 | 2.30E-06 | 9.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.03E-06 | 3.60E-04 | 6.34E-06 | 3.31E-05 | 3.85E-05 | 1.38E-04 | 1.20E-05 | 1.14E-05 | 2.30E-06 | 2.30E-06 | 9.27E-05 |
| THYMUS | G | 6.11E-05 | 2.94E-06 | 3.30E-05 | 1.12E-05 | 1.22E-05 | 5.00E-06 | 2.33E-05 | 8.24E-05 | 2.84E-04 | 2.84E-04 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.11E-05 | 2.94E-06 | 3.30E-05 | 1.12E-05 | 1.22E-05 | 5.00E-06 | 2.33E-05 | 8.24E-05 | 2.84E-04 | 2.84E-04 | 1.24E-04 |
| THYROID | G | 1.58E-05 | 1.02E-06 | 1.22E-05 | 3.59E-06 | 3.81E-06 | 1.76E-06 | 7.87E-06 | 1.44E-05 | 8.88E-05 | 8.88E-05 | 1.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.58E-05 | 1.02E-06 | 1.22E-05 | 3.59E-06 | 3.81E-06 | 1.76E-06 | 7.87E-06 | 1.44E-05 | 8.88E-05 | 8.88E-05 | 1.01E-04 |
| UTERUS | G | 3.05E-05 | 1.06E-03 | 6.85E-05 | 6.19E-04 | 3.37E-04 | 4.06E-04 | 6.38E-05 | 3.40E-05 | 9.56E-06 | 9.56E-06 | 1.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.05E-05 | 1.06E-03 | 6.85E-05 | 6.19E-04 | 3.37E-04 | 4.06E-04 | 6.38E-05 | 3.40E-05 | 9.56E-06 | 9.56E-06 | 1.53E-04 |
| T BODY | G | 1.23E-04 | 1.36E-04 | 1.29E-04 | 1.42E-04 | 1.39E-04 | 1.38E-04 | 1.24E-04 | 1.24E-04 | 1.05E-04 | 1.05E-04 | 1.06E-04 |
| | B | 7.64E-04 | 8.60E-05 | 2.29E-04 | 6.11E-04 | 3.65E-04 | 4.53E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 |
| | T | 8.87E-04 | 2.22E-04 | 3.59E-04 | 7.54E-04 | 5.04E-04 | 5.91E-04 | 8.88E-04 | 8.88E-04 | 8.70E-04 | 8.70E-04 | 8.70E-04 |

CONTINUED NEXT PAGE

33-ARSENIC-76 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 4.35E-05 | 5.76E-04 | 1.29E-04 | 1.29E-04 | 1.51E-04 | 7.18E-05 | 5.47E-05 | 4.64E-04 | 6.03E-06 | 1.55E-05 | 1.65E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 4.35E-05 | 5.76E-04 | 1.29E-04 | 1.29E-04 | 1.51E-04 | 7.18E-05 | 5.47E-05 | 4.64E-04 | 6.03E-06 | 1.55E-05 | 9.30E-04 |
| BLAD WALL | G | 4.90E-04 | 1.56E-05 | 4.58E-05 | 4.58E-05 | 6.21E-05 | 2.24E-05 | 5.16E-05 | 1.59E-05 | 3.70E-04 | 1.03E-06 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 4.90E-04 | 1.56E-05 | 4.58E-05 | 4.58E-05 | 6.21E-05 | 2.24E-05 | 5.16E-05 | 1.59E-05 | 3.70E-04 | 1.03E-06 | 9.01E-04 |
| GI TRACT S WALL | G | 6.29E-05 | 1.22E-03 | 4.25E-05 | 4.25E-05 | 7.74E-05 | 5.51E-05 | 4.83E-05 | 7.06E-04 | 8.37E-06 | 1.03E-05 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 6.29E-05 | 1.22E-03 | 4.25E-05 | 4.25E-05 | 7.74E-05 | 5.51E-05 | 4.83E-05 | 7.06E-04 | 8.37E-06 | 1.03E-05 | 8.89E-04 |
| SI+CONT | G | 8.39E-04 | 1.30E-04 | 5.95E-05 | 5.95E-05 | 1.92E-04 | 7.66E-05 | 4.24E-05 | 1.03E-04 | 4.02E-05 | 1.79E-06 | 1.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 8.39E-04 | 1.30E-04 | 5.95E-05 | 5.95E-05 | 1.92E-04 | 7.66E-05 | 4.24E-05 | 1.03E-04 | 4.02E-05 | 1.79E-06 | 9.07E-04 |
| ULI WALL | G | 7.89E-04 | 1.59E-04 | 5.37E-05 | 5.37E-05 | 1.47E-04 | 6.48E-05 | 4.46E-05 | 1.04E-04 | 2.75E-05 | 2.12E-06 | 1.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 7.89E-04 | 1.59E-04 | 5.37E-05 | 5.37E-05 | 1.47E-04 | 6.48E-05 | 4.46E-05 | 1.04E-04 | 2.75E-05 | 2.12E-06 | 9.03E-04 |
| LLI WALL | G | 1.01E-03 | 4.15E-05 | 7.19E-05 | 7.19E-05 | 2.22E-04 | 6.26E-05 | 4.62E-05 | 5.03E-05 | 1.95E-04 | 1.50E-06 | 1.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 1.01E-03 | 4.15E-05 | 7.19E-05 | 7.19E-05 | 2.22E-04 | 6.26E-05 | 4.62E-05 | 5.03E-05 | 1.95E-04 | 1.50E-06 | 9.10E-04 |
| KIDNEYS | G | 8.29E-05 | 4.45E-04 | 7.26E-05 | 7.26E-05 | 1.77E-04 | 8.77E-05 | 5.62E-05 | 6.09E-04 | 9.21E-06 | 6.45E-06 | 1.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 8.29E-05 | 4.45E-04 | 7.26E-05 | 7.26E-05 | 1.77E-04 | 8.77E-05 | 5.62E-05 | 6.09E-04 | 9.21E-06 | 6.45E-06 | 8.92E-04 |
| LIVER | G | 4.71E-05 | 2.95E-04 | 5.32E-05 | 5.32E-05 | 7.53E-05 | 8.12E-05 | 5.05E-05 | 7.94E-05 | 5.79E-06 | 1.35E-05 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 4.71E-05 | 2.95E-04 | 5.32E-05 | 5.32E-05 | 7.53E-05 | 8.12E-05 | 5.05E-05 | 7.94E-05 | 5.79E-06 | 1.35E-05 | 8.92E-04 |
| LUNGS | G | 1.01E-05 | 1.71E-04 | 7.26E-05 | 7.26E-05 | 8.91E-05 | 7.44E-05 | 5.16E-05 | 1.58E-04 | 1.74E-06 | 8.02E-05 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 1.01E-05 | 1.71E-04 | 7.26E-05 | 7.26E-05 | 8.91E-05 | 7.44E-05 | 5.16E-05 | 1.58E-04 | 1.74E-06 | 8.02E-05 | 8.73E-04 |
| RESP LYM NODE | G | 1.01E-05 | 1.71E-04 | 7.26E-05 | 7.26E-05 | 8.91E-05 | 7.44E-05 | 5.16E-05 | 1.58E-04 | 1.74E-06 | 8.02E-05 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 1.01E-05 | 1.71E-04 | 7.26E-05 | 7.26E-05 | 8.91E-05 | 7.44E-05 | 5.16E-05 | 1.58E-04 | 1.74E-06 | 8.02E-05 | 8.73E-04 |
| MUSCLE* | G | 1.45E-04 | 1.31E-04 | 8.19E-05 | 8.19E-05 | 9.62E-05 | 7.60E-05 | 6.83E-05 | 1.08E-04 | 9.27E-05 | 1.01E-04 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 1.45E-04 | 1.31E-04 | 8.19E-05 | 8.19E-05 | 9.62E-05 | 7.60E-05 | 6.83E-05 | 1.08E-04 | 9.27E-05 | 1.01E-04 | 8.70E-04 |
| OVARIES | G | 5.51E-02 | 4.38E-05 | 7.56E-05 | 7.56E-05 | 2.47E-04 | 6.49E-05 | 3.14E-05 | 6.27E-05 | 7.30E-51 | 1.78E-06 | 1.23E-04 |
| | B | 4.86E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 4.92E 00 | 4.38E-05 | 7.56E-05 | 7.56E-05 | 2.47E-04 | 6.49E-05 | 3.14E-05 | 6.27E-05 | 7.30E-51 | 1.78E-06 | 8.87E-04 |

33-ARSENIC-76 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.70E-05 | 1.53E-02 | 7.14E-05 | 7.14E-05 | 1.11E-04 | 8.83E-05 | 4.17E-05 | 1.36E-03 | 5.53E-06 | 8.90E-06 | 1.28E-04 |
| | B | 0.0 | 5.35E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 4.70E-05 | 5.50E-01 | 7.14E-05 | 7.14E-05 | 1.11E-04 | 8.83E-05 | 4.17E-05 | 1.36E-03 | 5.53E-06 | 8.90E-06 | 8.92E-04 |
| SKELETON BONE | G | 6.64E-05 | 6.64E-05 | 2.50E-04 | 2.50E-04 | 1.68E-04 | 1.86E-04 | 6.30E-05 | 5.61E-05 | 4.84E-05 | 5.51E-05 | 1.08E-04 |
| | B | 0.0 | 0.0 | 1.07E-02 | 6.11E-03 | 3.06E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 6.64E-05 | 6.64E-05 | 1.10E-02 | 6.36E-03 | 3.23E-03 | 1.86E-04 | 6.30E-05 | 5.61E-05 | 4.84E-05 | 5.51E-05 | 8.72E-04 |
| R MARROW | G | 2.18E-04 | 1.24E-04 | 2.24E-04 | 2.24E-04 | 5.34E-04 | 1.92E-04 | 5.87E-05 | 8.22E-05 | 3.83E-05 | 6.06E-05 | 1.18E-04 |
| | B | 0.0 | 0.0 | 8.58E-04 | 1.53E-02 | 2.32E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 2.18E-04 | 1.24E-04 | 1.08E-03 | 1.55E-02 | 2.37E-02 | 1.92E-04 | 5.87E-05 | 8.22E-05 | 3.83E-05 | 6.06E-05 | 8.83E-04 |
| Y MARROW | G | 8.82E-05 | 7.81E-05 | 2.16E-04 | 2.16E-04 | 2.06E-04 | 3.16E-04 | 6.68E-05 | 8.39E-05 | 2.13E-05 | 2.97E-05 | 1.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 8.82E-05 | 7.81E-05 | 2.16E-04 | 2.16E-04 | 2.06E-04 | 3.60E-02 | 6.68E-05 | 8.39E-05 | 2.13E-05 | 2.97E-05 | 8.65E-04 |
| T E CL | G | 6.64E-05 | 6.64E-05 | 2.50E-04 | 2.50E-04 | 2.25E-04 | 2.06E-04 | 6.30E-05 | 5.61E-05 | 4.84E-05 | 5.51E-05 | 1.08E-04 |
| | B | 0.0 | 0.0 | 6.56E-03 | 9.24E-03 | 1.17E-02 | 8.92E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 6.64E-05 | 6.64E-05 | 6.81E-03 | 9.49E-03 | 1.19E-02 | 9.12E-03 | 6.30E-05 | 5.61E-05 | 4.84E-05 | 5.51E-05 | 8.72E-04 |
| SKIN | G | 3.99E-05 | 3.92E-05 | 6.45E-05 | 6.45E-05 | 5.61E-05 | 7.14E-05 | 1.50E-04 | 4.71E-05 | 1.17E-04 | 6.56E-05 | 6.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.06E-02 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 3.99E-05 | 3.92E-05 | 6.45E-05 | 6.45E-05 | 5.61E-05 | 7.14E-05 | 2.07E-02 | 4.71E-05 | 1.17E-04 | 6.56E-05 | 8.32E-04 |
| SPLEEN | G | 4.91E-05 | 1.36E-03 | 6.08E-05 | 6.08E-05 | 6.61E-05 | 7.81E-05 | 5.05E-05 | 9.38E-03 | 8.33E-06 | 1.17E-05 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.97E-01 | 0.0 | 0.0 | 7.64E-04 |
| | T | 4.91E-05 | 1.36E-03 | 6.08E-05 | 6.08E-05 | 6.61E-05 | 7.81E-05 | 5.05E-05 | 3.07E-01 | 8.33E-06 | 1.17E-05 | 8.91E-04 |
| TESTES | G | 7.30E-51 | 6.78E-06 | 4.83E-05 | 4.83E-05 | 3.03E-05 | 6.94E-05 | 6.49E-05 | 7.92E-06 | 2.59E-02 | 4.30E-07 | 1.32E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.53E 00 | 0.0 | 7.64E-04 |
| | T | 7.30E-51 | 6.78E-06 | 4.83E-05 | 4.83E-05 | 3.03E-05 | 6.94E-05 | 6.49E-05 | 7.92E-06 | 1.55E 00 | 4.30E-07 | 8.97E-04 |
| THYMUS | G | 5.27E-06 | 4.11E-05 | 5.53E-05 | 5.53E-05 | 4.39E-05 | 3.34E-05 | 5.98E-05 | 3.77E-05 | 1.17E-06 | 3.14E-04 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 5.27E-06 | 4.11E-05 | 5.53E-05 | 5.53E-05 | 4.39E-05 | 3.34E-05 | 5.98E-05 | 3.77E-05 | 1.17E-06 | 3.14E-04 | 8.76E-04 |
| THYROID | G | 1.78E-06 | 1.17E-05 | 6.86E-05 | 6.86E-05 | 6.58E-05 | 3.84E-05 | 5.95E-05 | 1.18E-05 | 4.30E-07 | 3.49E-02 | 1.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.68E 00 | 7.64E-04 |
| | T | 1.78E-06 | 1.17E-05 | 6.86E-05 | 6.86E-05 | 6.58E-05 | 3.84E-05 | 5.95E-05 | 1.18E-05 | 4.30E-07 | 2.71E 00 | 8.71E-04 |
| UTERUS | G | 1.26E-03 | 4.60E-05 | 4.90E-05 | 4.90E-05 | 1.31E-04 | 4.87E-05 | 4.65E-05 | 3.56E-05 | 7.30E-51 | 1.70E-06 | 1.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.64E-04 |
| | T | 1.26E-03 | 4.60E-05 | 4.90E-05 | 4.90E-05 | 1.31E-04 | 4.87E-05 | 4.65E-05 | 3.56E-05 | 7.30E-51 | 1.70E-06 | 9.04E-04 |
| T BODY | G | 1.45E-04 | 1.42E-04 | 1.05E-04 | 1.05E-04 | 1.16E-04 | 9.41E-05 | 6.85E-05 | 1.23E-04 | 1.05E-04 | 9.57E-05 | 1.06E-04 |
| | B | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 | 7.64E-04 |
| | T | 9.09E-04 | 9.06E-04 | 8.69E-04 | 8.69E-04 | 8.81E-04 | 8.58E-04 | 8.33E-04 | 8.88E-04 | 8.69E-04 | 8.60E-04 | 8.70E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA, VOL. 1, NO. 6, ACAD. PRESS (1966)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 33-ARSENIC-77 (TR=3.883E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 5.82E-04 | 2.79E-07 | 3.10E-06 | 1.93E-06 | 1.28E-06 | 6.34E-07 | 1.47E-05 | 6.69E-06 | 3.32E-06 | 3.32E-06 | 1.99E-06 |
| | B | 8.27E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.28E-01 | 2.79E-07 | 3.10E-06 | 1.93E-06 | 1.28E-06 | 6.34E-07 | 1.47E-05 | 6.69E-06 | 3.32E-06 | 3.32E-06 | 1.99E-06 |
| BLAD WALL | G | 1.58E-07 | 9.62E-05 | 4.25E-07 | 3.91E-06 | 2.77E-06 | 8.37E-06 | 4.56E-07 | 3.09E-07 | 7.99E-08 | 7.99E-08 | 2.38E-06 |
| | B | 0.0 | 2.90E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.58E-07 | 2.91E-02 | 4.25E-07 | 3.91E-06 | 2.77E-06 | 8.37E-06 | 4.56E-07 | 3.09E-07 | 7.99E-08 | 7.99E-08 | 2.38E-06 |
| GI TRACT S WALL | G | 3.95E-06 | 4.03E-07 | 6.87E-05 | 4.80E-06 | 4.96E-06 | 2.41E-06 | 4.55E-06 | 2.59E-06 | 2.49E-06 | 2.49E-06 | 1.88E-06 |
| | B | 0.0 | 0.0 | 2.32E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.95E-06 | 4.03E-07 | 2.32E-02 | 4.80E-06 | 4.96E-06 | 2.41E-06 | 4.55E-06 | 2.59E-06 | 2.49E-06 | 2.49E-06 | 1.88E-06 |
| SI+CONT | G | 1.20E-06 | 3.74E-06 | 3.53E-06 | 4.13E-05 | 2.22E-05 | 1.24E-05 | 3.80E-06 | 2.21E-06 | 3.09E-07 | 3.09E-07 | 2.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 1.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.20E-06 | 3.74E-06 | 3.53E-06 | 1.45E-02 | 2.22E-05 | 1.24E-05 | 3.80E-06 | 2.21E-06 | 3.09E-07 | 3.09E-07 | 2.08E-06 |
| ULI WALL | G | 1.31E-06 | 3.16E-06 | 4.64E-06 | 3.11E-05 | 5.65E-05 | 5.68E-06 | 3.87E-06 | 3.36E-06 | 3.97E-07 | 3.97E-07 | 2.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.31E-06 | 3.16E-06 | 4.64E-06 | 3.11E-05 | 2.64E-02 | 5.68E-06 | 3.87E-06 | 3.36E-06 | 3.97E-07 | 3.97E-07 | 2.18E-06 |
| LLI WALL | G | 3.72E-07 | 9.55E-06 | 1.73E-06 | 9.39E-06 | 4.03E-06 | 6.74E-05 | 1.15E-06 | 3.65E-07 | 1.31E-07 | 1.31E-07 | 2.28E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.72E-07 | 9.55E-06 | 1.73E-06 | 9.39E-06 | 4.03E-06 | 4.30E-02 | 1.15E-06 | 3.65E-07 | 1.31E-07 | 1.31E-07 | 2.28E-06 |
| KIDNEYS | G | 1.55E-05 | 4.31E-07 | 4.63E-06 | 4.17E-06 | 3.70E-06 | 1.22E-06 | 9.42E-05 | 5.13E-06 | 1.27E-06 | 1.27E-06 | 1.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.74E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.55E-05 | 4.31E-07 | 4.63E-06 | 4.17E-06 | 3.70E-06 | 1.22E-06 | 3.75E-02 | 5.13E-06 | 1.27E-06 | 1.27E-06 | 1.89E-06 |
| LIVER | G | 6.63E-06 | 3.22E-07 | 2.69E-06 | 2.47E-06 | 3.43E-06 | 4.13E-07 | 5.24E-06 | 3.40E-05 | 3.28E-06 | 3.28E-06 | 1.47E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.44E-03 | 0.0 | 0.0 | 0.0 |
| | T | 6.63E-06 | 3.22E-07 | 2.69E-06 | 2.47E-06 | 3.43E-06 | 4.13E-07 | 5.24E-06 | 6.47E-03 | 3.28E-06 | 3.28E-06 | 1.47E-06 |
| LUNGS | G | 3.27E-06 | 4.69E-08 | 2.36E-06 | 3.81E-07 | 4.04E-07 | 1.25E-07 | 1.19E-06 | 3.30E-06 | 1.93E-05 | 1.93E-05 | 1.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-02 | 1.16E-02 | 0.0 |
| | T | 3.27E-06 | 4.69E-08 | 2.36E-06 | 3.81E-07 | 4.04E-07 | 1.25E-07 | 1.19E-06 | 3.30E-06 | 1.16E-02 | 1.16E-02 | 1.77E-06 |
| RESP LYM NODE | G | 3.27E-06 | 4.69E-08 | 2.36E-06 | 3.81E-07 | 4.04E-07 | 1.25E-07 | 1.19E-06 | 3.30E-06 | 1.93E-05 | 1.93E-05 | 1.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-02 | 7.72E-01 | 0.0 |
| | T | 3.27E-06 | 4.69E-08 | 2.36E-06 | 3.81E-07 | 4.04E-07 | 1.25E-07 | 1.19E-06 | 3.30E-06 | 1.16E-02 | 7.72E-01 | 1.77E-06 |
| MUSCLE* | G | 1.99E-06 | 2.38E-06 | 1.88E-06 | 2.08E-06 | 1.98E-06 | 2.28E-06 | 1.89E-06 | 1.47E-06 | 1.77E-06 | 1.77E-06 | 1.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.14E-04 |
| | T | 1.99E-06 | 2.38E-06 | 1.88E-06 | 2.08E-06 | 1.98E-06 | 2.28E-06 | 1.89E-06 | 1.47E-06 | 1.77E-06 | 1.77E-06 | 4.16E-04 |
| OVARIES | G | 7.68E-07 | 9.54E-06 | 6.34E-07 | 1.33E-05 | 1.61E-05 | 2.46E-05 | 1.62E-06 | 5.17E-07 | 1.80E-07 | 1.80E-07 | 2.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.68E-07 | 9.54E-06 | 6.34E-07 | 1.33E-05 | 1.61E-05 | 2.46E-05 | 1.62E-06 | 5.17E-07 | 1.80E-07 | 1.80E-07 | 2.66E-06 |

33-ARSENIC-77 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.15E-05 | 3.84E-07 | 2.39E-05 | 2.77E-06 | 2.94E-06 | 9.66E-07 | 8.71E-06 | 5.67E-06 | 3.53E-06 | 3.53E-06 | 2.41E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.15E-05 | 3.84E-07 | 2.39E-05 | 2.77E-06 | 2.94E-06 | 9.66E-07 | 8.71E-06 | 5.67E-06 | 3.53E-06 | 3.53E-06 | 2.41E-06 |
| SKELETON BONE | G | 2.07E-06 | 9.45E-07 | 9.31E-07 | 1.25E-06 | 1.14E-06 | 1.63E-06 | 1.49E-06 | 1.14E-06 | 1.51E-06 | 1.51E-06 | 1.44E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.07E-06 | 9.45E-07 | 9.31E-07 | 1.25E-06 | 1.14E-06 | 1.63E-06 | 1.49E-06 | 1.14E-06 | 1.51E-06 | 1.51E-06 | 1.44E-06 |
| R MARROW | G | 3.75E-06 | 2.11E-06 | 1.65E-06 | 4.08E-06 | 3.52E-06 | 4.93E-06 | 3.83E-06 | 1.66E-06 | 1.91E-06 | 1.91E-06 | 2.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.75E-06 | 2.11E-06 | 1.65E-06 | 4.08E-06 | 3.52E-06 | 4.93E-06 | 3.83E-06 | 1.66E-06 | 1.91E-06 | 1.91E-06 | 2.06E-06 |
| Y MARROW | G | 1.99E-06 | 8.71E-07 | 1.29E-06 | 1.75E-06 | 1.62E-06 | 2.01E-06 | 1.84E-06 | 1.68E-06 | 1.57E-06 | 1.57E-06 | 1.62E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.99E-06 | 8.71E-07 | 1.29E-06 | 1.75E-06 | 1.62E-06 | 2.01E-06 | 1.84E-06 | 1.68E-06 | 1.57E-06 | 1.57E-06 | 1.62E-06 |
| T E CL | G | 2.07E-06 | 9.45E-07 | 9.31E-07 | 1.25E-06 | 1.14E-06 | 1.63E-06 | 1.49E-06 | 1.14E-06 | 1.51E-06 | 1.51E-06 | 1.44E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.07E-06 | 9.45E-07 | 9.31E-07 | 1.25E-06 | 1.14E-06 | 1.63E-06 | 1.49E-06 | 1.14E-06 | 1.51E-06 | 1.51E-06 | 1.44E-06 |
| SKIN | G | 8.34E-07 | 8.04E-07 | 6.96E-07 | 6.53E-07 | 6.64E-07 | 7.42E-07 | 8.21E-07 | 7.48E-07 | 8.37E-07 | 8.37E-07 | 1.11E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.34E-07 | 8.04E-07 | 6.96E-07 | 6.53E-07 | 6.64E-07 | 7.42E-07 | 8.21E-07 | 7.48E-07 | 8.37E-07 | 8.37E-07 | 1.11E-06 |
| SPLEEN | G | 8.84E-06 | 2.72E-07 | 1.32E-05 | 2.10E-06 | 1.80E-06 | 1.13E-06 | 1.15E-05 | 1.29E-06 | 3.01E-06 | 3.01E-06 | 1.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.84E-06 | 2.72E-07 | 1.32E-05 | 2.10E-06 | 1.80E-06 | 1.13E-06 | 1.15E-05 | 1.29E-06 | 3.01E-06 | 3.01E-06 | 1.96E-06 |
| TESTES | G | 7.47E-08 | 6.38E-06 | 6.86E-08 | 4.81E-07 | 5.31E-07 | 2.73E-06 | 1.74E-07 | 1.30E-07 | 2.33E-08 | 2.33E-08 | 1.60E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.47E-08 | 6.38E-06 | 6.86E-08 | 4.81E-07 | 5.31E-07 | 2.73E-06 | 1.74E-07 | 1.30E-07 | 2.33E-08 | 2.33E-08 | 1.60E-06 |
| THYMUS | G | 8.10E-07 | 3.07E-08 | 3.37E-07 | 1.60E-07 | 1.78E-07 | 6.17E-08 | 3.69E-07 | 1.22E-06 | 5.24E-06 | 5.24E-06 | 3.19E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.10E-07 | 3.07E-08 | 3.37E-07 | 1.60E-07 | 1.78E-07 | 6.17E-08 | 3.69E-07 | 1.22E-06 | 5.24E-06 | 5.24E-06 | 3.19E-06 |
| THYROID | G | 2.35E-07 | 8.04E-09 | 1.77E-07 | 3.96E-08 | 4.29E-08 | 1.67E-08 | 1.04E-07 | 2.79E-07 | 1.32E-06 | 1.32E-06 | 1.80E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.35E-07 | 8.04E-09 | 1.77E-07 | 3.96E-08 | 4.29E-08 | 1.67E-08 | 1.04E-07 | 2.79E-07 | 1.32E-06 | 1.32E-06 | 1.80E-06 |
| UTERUS | G | 2.08E-06 | 2.06E-05 | 1.14E-06 | 1.22E-05 | 6.28E-06 | 8.76E-06 | 1.32E-06 | 5.51E-07 | 1.30E-07 | 1.30E-07 | 2.92E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.08E-06 | 2.06E-05 | 1.14E-06 | 1.22E-05 | 6.28E-06 | 8.76E-06 | 1.32E-06 | 5.51E-07 | 1.30E-07 | 1.30E-07 | 2.92E-06 |
| T BODY | G | 2.24E-06 | 2.51E-06 | 2.37E-06 | 2.65E-06 | 2.58E-06 | 2.57E-06 | 2.26E-06 | 2.27E-06 | 1.95E-06 | 1.95E-06 | 1.87E-06 |
| | B | 1.65E-04 | 1.86E-05 | 4.96E-05 | 1.32E-04 | 7.90E-05 | 9.81E-05 | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 |
| | T | 1.68E-04 | 2.11E-05 | 5.20E-05 | 1.35E-04 | 8.16E-05 | 1.01E-04 | 1.68E-04 | 1.68E-04 | 1.67E-04 | 1.67E-04 | 1.67E-04 |

CONTINUED NEXT PAGE

33-ARSENIC-77 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 6.24E-07 | 1.13E-05 | 1.92E-06 | 1.92E-06 | 3.14E-06 | 1.74E-06 | 1.03E-06 | 8.51E-06 | 7.47E-08 | 2.35E-07 | 2.69E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 6.24E-07 | 1.13E-05 | 1.92E-06 | 1.92E-06 | 3.14E-06 | 1.74E-06 | 1.03E-06 | 8.51E-06 | 7.47E-08 | 2.35E-07 | 1.68E-04 |
| BLAD WALL | G | 9.19E-06 | 2.30E-07 | 7.33E-07 | 7.33E-07 | 1.01E-06 | 4.45E-07 | 7.67E-07 | 2.12E-07 | 6.61E-06 | 8.11E-09 | 2.38E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 9.19E-06 | 2.30E-07 | 7.33E-07 | 7.33E-07 | 1.01E-06 | 4.45E-07 | 7.67E-07 | 2.12E-07 | 6.61E-06 | 8.11E-09 | 1.68E-04 |
| GI TRACT S WALL | G | 1.09E-06 | 2.40E-05 | 7.81E-07 | 7.81E-07 | 1.43E-06 | 1.00E-06 | 7.96E-07 | 1.30E-05 | 9.96E-08 | 1.02E-07 | 2.48E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.09E-06 | 2.40E-05 | 7.81E-07 | 7.81E-07 | 1.43E-06 | 1.00E-06 | 7.96E-07 | 1.30E-05 | 9.96E-08 | 1.02E-07 | 1.68E-04 |
| SI+CONT | G | 1.59E-05 | 2.45E-06 | 1.05E-06 | 1.05E-06 | 3.54E-06 | 1.43E-06 | 6.87E-07 | 1.90E-06 | 6.22E-07 | 1.71E-08 | 2.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.59E-05 | 2.45E-06 | 1.05E-06 | 1.05E-06 | 3.54E-06 | 1.43E-06 | 6.87E-07 | 1.90E-06 | 6.22E-07 | 1.71E-08 | 1.68E-04 |
| ULI WALL | G | 1.50E-05 | 2.96E-06 | 9.79E-07 | 9.79E-07 | 2.81E-06 | 1.24E-06 | 6.89E-07 | 1.75E-06 | 4.70E-07 | 1.53E-08 | 2.49E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.50E-05 | 2.96E-06 | 9.79E-07 | 9.79E-07 | 2.81E-06 | 1.24E-06 | 6.89E-07 | 1.75E-06 | 4.70E-07 | 1.53E-08 | 1.68E-04 |
| LLI WALL | G | 1.92E-05 | 7.53E-07 | 1.37E-06 | 1.37E-06 | 3.99E-06 | 1.18E-06 | 7.25E-07 | 8.87E-07 | 3.77E-06 | 1.38E-08 | 2.42E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.92E-05 | 7.53E-07 | 1.37E-06 | 1.37E-06 | 3.99E-06 | 1.18E-06 | 7.25E-07 | 8.87E-07 | 3.77E-06 | 1.38E-08 | 1.68E-04 |
| KIDNEYS | G | 1.39E-06 | 8.51E-06 | 1.23E-06 | 1.23E-06 | 3.08E-06 | 1.54E-06 | 9.20E-07 | 1.17E-05 | 9.99E-08 | 5.85E-08 | 2.33E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.39E-06 | 8.51E-06 | 1.23E-06 | 1.23E-06 | 3.08E-06 | 1.54E-06 | 9.20E-07 | 1.17E-05 | 9.99E-08 | 5.85E-08 | 1.68E-04 |
| LIVER | G | 8.01E-07 | 5.76E-06 | 9.20E-07 | 9.20E-07 | 1.34E-06 | 1.39E-06 | 8.20E-07 | 1.40E-06 | 6.10E-08 | 1.80E-07 | 2.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 8.01E-07 | 5.76E-06 | 9.20E-07 | 9.20E-07 | 1.34E-06 | 1.39E-06 | 8.20E-07 | 1.40E-06 | 6.10E-08 | 1.80E-07 | 1.68E-04 |
| LUNGS | G | 1.18E-07 | 3.31E-06 | 1.32E-06 | 1.32E-06 | 1.63E-06 | 1.33E-06 | 8.78E-07 | 2.99E-06 | 1.74E-08 | 1.34E-06 | 1.97E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.18E-07 | 3.31E-06 | 1.32E-06 | 1.32E-06 | 1.63E-06 | 1.33E-06 | 8.78E-07 | 2.99E-06 | 1.74E-08 | 1.34E-06 | 1.67E-04 |
| RESP LYM NODE | G | 1.18E-07 | 3.31E-06 | 1.32E-06 | 1.32E-06 | 1.63E-06 | 1.33E-06 | 8.78E-07 | 2.99E-06 | 1.74E-08 | 1.34E-06 | 1.97E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.18E-07 | 3.31E-06 | 1.32E-06 | 1.32E-06 | 1.63E-06 | 1.33E-06 | 8.78E-07 | 2.99E-06 | 1.74E-08 | 1.34E-06 | 1.67E-04 |
| MUSCLE* | G | 2.66E-06 | 2.41E-06 | 1.44E-06 | 1.44E-06 | 1.71E-06 | 1.30E-06 | 1.11E-06 | 1.96E-06 | 1.60E-06 | 1.80E-06 | 1.87E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 2.66E-06 | 2.41E-06 | 1.44E-06 | 1.44E-06 | 1.71E-06 | 1.30E-06 | 1.11E-06 | 1.96E-06 | 1.60E-06 | 1.80E-06 | 1.67E-04 |
| OVARIES | G | 9.83E-04 | 4.74E-07 | 1.14E-06 | 1.14E-06 | 3.78E-06 | 1.61E-06 | 5.61E-07 | 1.01E-06 | 4.14E-51 | 1.63E-08 | 2.39E-06 |
| | B | 1.05E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.05E 00 | 4.74E-07 | 1.14E-06 | 1.14E-06 | 3.78E-06 | 1.61E-06 | 5.61E-07 | 1.01E-06 | 4.14E-51 | 1.63E-08 | 1.68E-04 |

33-ARSENIC-77 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 7.00E-07 | 2.72E-04 | 1.36E-06 | 1.36E-06 | 2.23E-06 | 1.76E-06 | 7.72E-07 | 2.55E-05 | 8.21E-08 | 1.24E-07 | 2.66E-06 |
| | B | 0.0 | 1.16E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 7.00E-07 | 1.16E-01 | 1.36E-06 | 1.36E-06 | 2.23E-06 | 1.76E-06 | 7.72E-07 | 2.55E-05 | 8.21E-08 | 1.24E-07 | 1.68E-04 |
| SKELETON BONE | G | 1.49E-06 | 1.44E-06 | 4.92E-06 | 4.92E-06 | 3.28E-06 | 3.59E-06 | 1.16E-06 | 1.18E-06 | 9.91E-07 | 1.10E-06 | 2.16E-06 |
| | B | 0.0 | 0.0 | 2.32E-03 | 1.49E-03 | 5.49E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.49E-06 | 1.44E-06 | 2.32E-03 | 1.50E-03 | 5.53E-04 | 3.59E-06 | 1.16E-06 | 1.18E-06 | 9.91E-07 | 1.10E-06 | 1.68E-04 |
| R MARROW | G | 5.08E-06 | 2.75E-06 | 4.39E-06 | 4.39E-06 | 1.05E-05 | 3.71E-06 | 1.09E-06 | 1.79E-06 | 8.02E-07 | 1.21E-06 | 2.44E-06 |
| | B | 0.0 | 0.0 | 4.36E-05 | 2.75E-03 | 5.78E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 5.08E-06 | 2.75E-06 | 4.80E-05 | 2.75E-03 | 5.79E-03 | 3.71E-06 | 1.09E-06 | 1.79E-06 | 8.02E-07 | 1.21E-06 | 1.68E-04 |
| Y MARROW | G | 1.99E-06 | 1.68E-06 | 4.23E-06 | 4.23E-06 | 4.04E-06 | 6.09E-06 | 1.21E-06 | 1.75E-06 | 3.99E-07 | 5.78E-07 | 2.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.72E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.99E-06 | 1.68E-06 | 4.23E-06 | 4.23E-06 | 4.04E-06 | 7.73E-03 | 1.21E-06 | 1.75E-06 | 3.99E-07 | 5.78E-07 | 1.68E-04 |
| T E CL | G | 1.49E-06 | 1.44E-06 | 4.92E-06 | 4.92E-06 | 4.42E-06 | 3.96E-06 | 1.16E-06 | 1.18E-06 | 9.91E-07 | 1.10E-06 | 2.16E-06 |
| | B | 0.0 | 0.0 | 1.48E-03 | 2.67E-03 | 2.08E-03 | 1.93E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 1.49E-06 | 1.44E-06 | 1.48E-03 | 2.68E-03 | 2.08E-03 | 1.93E-03 | 1.16E-06 | 1.18E-06 | 9.91E-07 | 1.10E-06 | 1.68E-04 |
| SKIN | G | 6.49E-07 | 6.25E-07 | 1.06E-06 | 1.06E-06 | 9.44E-07 | 1.17E-06 | 2.47E-06 | 7.47E-07 | 2.02E-06 | 1.11E-06 | 1.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.46E-03 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 6.49E-07 | 6.25E-07 | 1.06E-06 | 1.06E-06 | 9.44E-07 | 1.17E-06 | 4.46E-03 | 7.47E-07 | 2.02E-06 | 1.11E-06 | 1.67E-04 |
| SPLEEN | G | 8.15E-07 | 2.56E-05 | 9.74E-07 | 9.74E-07 | 1.19E-06 | 1.39E-06 | 8.21E-07 | 1.69E-04 | 8.50E-08 | 1.67E-07 | 2.38E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.44E-02 | 0.0 | 0.0 | 1.65E-04 |
| | T | 8.15E-07 | 2.56E-05 | 9.74E-07 | 9.74E-07 | 1.19E-06 | 1.39E-06 | 8.21E-07 | 6.45E-02 | 8.50E-08 | 1.67E-07 | 1.68E-04 |
| TESTES | G | 4.14E-51 | 9.53E-08 | 8.16E-07 | 8.16E-07 | 4.84E-07 | 1.40E-06 | 1.31E-06 | 1.05E-07 | 4.60E-04 | 2.61E-09 | 1.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.31E-01 | 0.0 | 1.65E-04 |
| | T | 4.14E-51 | 9.53E-08 | 8.16E-07 | 8.16E-07 | 4.84E-07 | 1.40E-06 | 1.31E-06 | 1.05E-07 | 3.31E-01 | 2.61E-09 | 1.67E-04 |
| THYMUS | G | 6.34E-08 | 9.65E-07 | 7.87E-07 | 7.87E-07 | 8.67E-07 | 8.06E-07 | 1.02E-06 | 5.54E-07 | 9.52E-09 | 5.82E-06 | 2.72E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 6.34E-08 | 9.65E-07 | 7.87E-07 | 7.87E-07 | 8.67E-07 | 8.06E-07 | 1.02E-06 | 5.54E-07 | 9.52E-09 | 5.82E-06 | 1.68E-04 |
| THYROID | G | 1.63E-08 | 2.20E-07 | 1.33E-06 | 1.33E-06 | 1.07E-06 | 1.24E-06 | 1.06E-06 | 1.71E-07 | 2.62E-09 | 6.15E-04 | 1.75E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.79E-01 | 1.65E-04 |
| | T | 1.63E-08 | 2.20E-07 | 1.33E-06 | 1.33E-06 | 1.07E-06 | 1.24E-06 | 1.06E-06 | 1.71E-07 | 2.62E-09 | 5.80E-01 | 1.67E-04 |
| UTERUS | G | 2.68E-05 | 8.53E-07 | 8.18E-07 | 8.18E-07 | 2.90E-06 | 8.72E-07 | 6.23E-07 | 5.72E-07 | 4.14E-51 | 1.53E-08 | 2.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 |
| | T | 2.68E-05 | 8.53E-07 | 8.18E-07 | 8.18E-07 | 2.90E-06 | 8.72E-07 | 6.23E-07 | 5.72E-07 | 4.14E-51 | 1.53E-08 | 1.68E-04 |
| T BODY | G | 2.71E-06 | 2.65E-06 | 1.92E-06 | 1.92E-06 | 2.14E-06 | 1.68E-06 | 1.13E-06 | 2.26E-06 | 1.86E-06 | 1.71E-06 | 1.91E-06 |
| | B | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 | 1.65E-04 |
| | T | 1.68E-04 | 1.68E-04 | 1.67E-04 | 1.67E-04 | 1.68E-04 | 1.67E-04 | 1.67E-04 | 1.68E-04 | 1.67E-04 | 1.67E-04 | 1.67E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA SHEETS B2, NUMBER 3 (MARCH 1973)
DATE DECAY DATA REVIEWED-FEBRUARY 1975

S, AVERAGE DOSE EQUIVALENT (REM) PER 1 UCI-DAY DATE OF TABLE 04-10-75
OF 33-ARSENIC-77 (TR=3.883E 01 HOURS) AND 0.0031 UCI-DAY OF 34-SELENIUM-77M (TR=1.758E 01 SEC)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 6.20E-04 | 2.88E-07 | 3.23E-06 | 1.99E-06 | 1.33E-06 | 6.53E-07 | 1.52E-05 | 6.92E-06 | 3.44E-06 | 3.44E-06 | 2.07E-06 |
| | B | 8.28E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.29E-01 | 2.88E-07 | 3.23E-06 | 1.99E-06 | 1.33E-06 | 6.53E-07 | 1.52E-05 | 6.92E-06 | 3.44E-06 | 3.44E-06 | 2.07E-06 |
| BLAD WALL | G | 1.64E-07 | 9.99E-05 | 4.38E-07 | 4.04E-06 | 2.87E-06 | 8.70E-06 | 4.71E-07 | 3.16E-07 | 8.19E-08 | 8.19E-08 | 2.47E-06 |
| | B | 0.0 | 2.90E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.64E-07 | 2.91E-02 | 4.38E-07 | 4.04E-06 | 2.87E-06 | 8.70E-06 | 4.71E-07 | 3.16E-07 | 8.19E-08 | 8.19E-08 | 2.47E-06 |
| GI TRACT S WALL | G | 4.09E-06 | 4.17E-07 | 7.13E-05 | 4.98E-06 | 5.14E-06 | 2.49E-06 | 4.72E-06 | 2.68E-06 | 2.58E-06 | 2.58E-06 | 1.94E-06 |
| | B | 0.0 | 0.0 | 2.32E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.09E-06 | 4.17E-07 | 2.33E-02 | 4.98E-06 | 5.14E-06 | 2.49E-06 | 4.72E-06 | 2.68E-06 | 2.58E-06 | 2.58E-06 | 1.94E-06 |
| SI+CONT | G | 1.24E-06 | 3.89E-06 | 3.66E-06 | 4.30E-05 | 2.30E-05 | 1.28E-05 | 3.94E-06 | 2.29E-06 | 3.18E-07 | 3.18E-07 | 2.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 1.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.24E-06 | 3.89E-06 | 3.66E-06 | 1.45E-02 | 2.30E-05 | 1.28E-05 | 3.94E-06 | 2.29E-06 | 3.18E-07 | 3.18E-07 | 2.16E-06 |
| ULI WALL | G | 1.35E-06 | 3.26E-06 | 4.81E-06 | 3.24E-05 | 5.86E-05 | 5.89E-06 | 4.01E-06 | 3.48E-06 | 4.08E-07 | 4.08E-07 | 2.26E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-06 | 3.26E-06 | 4.81E-06 | 3.24E-05 | 2.64E-02 | 5.89E-06 | 4.01E-06 | 3.48E-06 | 4.08E-07 | 4.08E-07 | 2.26E-06 |
| LLI WALL | G | 3.83E-07 | 9.90E-06 | 1.79E-06 | 9.74E-06 | 4.18E-06 | 7.00E-05 | 1.19E-06 | 3.76E-07 | 1.35E-07 | 1.35E-07 | 2.36E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.83E-07 | 9.90E-06 | 1.79E-06 | 9.74E-06 | 4.18E-06 | 4.30E-02 | 1.19E-06 | 3.76E-07 | 1.35E-07 | 1.35E-07 | 2.36E-06 |
| KIDNEYS | G | 1.61E-05 | 4.44E-07 | 4.80E-06 | 4.32E-06 | 3.84E-06 | 1.27E-06 | 9.86E-05 | 5.32E-06 | 1.31E-06 | 1.31E-06 | 1.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.74E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.61E-05 | 4.44E-07 | 4.80E-06 | 4.32E-06 | 3.84E-06 | 1.27E-06 | 3.75E-02 | 5.32E-06 | 1.31E-06 | 1.31E-06 | 1.96E-06 |
| LIVER | G | 6.87E-06 | 3.31E-07 | 2.78E-06 | 2.56E-06 | 3.56E-06 | 4.26E-07 | 5.43E-06 | 3.54E-05 | 3.40E-06 | 3.40E-06 | 1.52E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.44E-03 | 0.0 | 0.0 | 0.0 |
| | T | 6.87E-06 | 3.31E-07 | 2.78E-06 | 2.56E-06 | 3.56E-06 | 4.26E-07 | 5.43E-06 | 6.48E-03 | 3.40E-06 | 3.40E-06 | 1.52E-06 |
| LUNGS | G | 3.39E-06 | 4.81E-08 | 2.44E-06 | 3.92E-07 | 4.17E-07 | 1.29E-07 | 1.23E-06 | 3.43E-06 | 2.03E-05 | 2.03E-05 | 1.83E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-02 | 1.16E-02 | 0.0 |
| | T | 3.39E-06 | 4.81E-08 | 2.44E-06 | 3.92E-07 | 4.17E-07 | 1.29E-07 | 1.23E-06 | 3.43E-06 | 1.16E-02 | 1.16E-02 | 1.83E-06 |
| RESP LYM NODE | G | 3.39E-06 | 4.81E-08 | 2.44E-06 | 3.92E-07 | 4.17E-07 | 1.29E-07 | 1.23E-06 | 3.43E-06 | 2.03E-05 | 2.03E-05 | 1.83E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-02 | 7.73E-01 | 0.0 |
| | T | 3.39E-06 | 4.81E-08 | 2.44E-06 | 3.92E-07 | 4.17E-07 | 1.29E-07 | 1.23E-06 | 3.43E-06 | 1.16E-02 | 7.73E-01 | 1.83E-06 |
| MUSCLE* | G | 2.07E-06 | 2.47E-06 | 1.95E-06 | 2.16E-06 | 2.05E-06 | 2.36E-06 | 1.96E-06 | 1.52E-06 | 1.83E-06 | 1.83E-06 | 2.03E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.14E-04 |
| | T | 2.07E-06 | 2.47E-06 | 1.95E-06 | 2.16E-06 | 2.05E-06 | 2.36E-06 | 1.96E-06 | 1.52E-06 | 1.83E-06 | 1.83E-06 | 4.16E-04 |
| OVARIES | G | 7.97E-07 | 9.90E-06 | 6.57E-07 | 1.38E-05 | 1.66E-05 | 2.55E-05 | 1.68E-06 | 5.40E-07 | 1.85E-07 | 1.85E-07 | 2.76E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.97E-07 | 9.90E-06 | 6.57E-07 | 1.38E-05 | 1.66E-05 | 2.55E-05 | 1.68E-06 | 5.40E-07 | 1.85E-07 | 1.85E-07 | 2.76E-06 |

33-ARSENIC-77 AND 34-SELENIUM-77M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.19E-05 | 3.96E-07 | 2.48E-05 | 2.87E-06 | 3.05E-06 | 1.00E-06 | 9.03E-06 | 5.87E-06 | 3.65E-06 | 3.65E-06 | 2.49E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.19E-05 | 3.96E-07 | 2.48E-05 | 2.87E-06 | 3.05E-06 | 1.00E-06 | 9.03E-06 | 5.87E-06 | 3.65E-06 | 3.65E-06 | 2.49E-06 |
| SKELETON BONE | G | 2.16E-06 | 9.87E-07 | 9.72E-07 | 1.31E-06 | 1.19E-06 | 1.70E-06 | 1.55E-06 | 1.19E-06 | 1.57E-06 | 1.57E-06 | 1.49E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.16E-06 | 9.87E-07 | 9.72E-07 | 1.31E-06 | 1.19E-06 | 1.70E-06 | 1.55E-06 | 1.19E-06 | 1.57E-06 | 1.57E-06 | 1.49E-06 |
| R MARROW | G | 3.92E-06 | 2.21E-06 | 1.72E-06 | 4.27E-06 | 3.69E-06 | 5.15E-06 | 4.00E-06 | 1.74E-06 | 2.00E-06 | 2.00E-06 | 2.15E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.92E-06 | 2.21E-06 | 1.72E-06 | 4.27E-06 | 3.69E-06 | 5.15E-06 | 4.00E-06 | 1.74E-06 | 2.00E-06 | 2.00E-06 | 2.15E-06 |
| Y MARROW | G | 2.08E-06 | 9.10E-07 | 1.35E-06 | 1.83E-06 | 1.69E-06 | 2.10E-06 | 1.92E-06 | 1.76E-06 | 1.64E-06 | 1.64E-06 | 1.69E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.08E-06 | 9.10E-07 | 1.35E-06 | 1.83E-06 | 1.69E-06 | 2.10E-06 | 1.92E-06 | 1.76E-06 | 1.64E-06 | 1.64E-06 | 1.69E-06 |
| T E CL | G | 2.16E-06 | 9.87E-07 | 9.72E-07 | 1.31E-06 | 1.19E-06 | 1.70E-06 | 1.55E-06 | 1.19E-06 | 1.57E-06 | 1.57E-06 | 1.49E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.16E-06 | 9.87E-07 | 9.72E-07 | 1.31E-06 | 1.19E-06 | 1.70E-06 | 1.55E-06 | 1.19E-06 | 1.57E-06 | 1.57E-06 | 1.49E-06 |
| SKIN | G | 8.60E-07 | 8.30E-07 | 7.17E-07 | 6.73E-07 | 6.85E-07 | 7.66E-07 | 8.47E-07 | 7.73E-07 | 8.64E-07 | 8.64E-07 | 1.15E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.60E-07 | 8.30E-07 | 7.17E-07 | 6.73E-07 | 6.85E-07 | 7.66E-07 | 8.47E-07 | 7.73E-07 | 8.64E-07 | 8.64E-07 | 1.15E-06 |
| SPLEEN | G | 9.15E-06 | 2.95E-07 | 1.37E-05 | 2.17E-06 | 1.87E-06 | 1.17E-06 | 1.20E-05 | 1.34E-06 | 3.12E-06 | 3.12E-06 | 2.03E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.15E-06 | 2.95E-07 | 1.37E-05 | 2.17E-06 | 1.87E-06 | 1.17E-06 | 1.20E-05 | 1.34E-06 | 3.12E-06 | 3.12E-06 | 2.03E-06 |
| TESTES | G | 7.65E-08 | 6.60E-06 | 7.13E-08 | 4.96E-07 | 5.45E-07 | 2.82E-06 | 1.79E-07 | 1.34E-07 | 2.37E-08 | 2.37E-08 | 1.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.65E-08 | 6.60E-06 | 7.13E-08 | 4.96E-07 | 5.45E-07 | 2.82E-06 | 1.79E-07 | 1.34E-07 | 2.37E-08 | 2.37E-08 | 1.66E-06 |
| THYMUS | G | 8.29E-07 | 3.13E-08 | 3.50E-07 | 1.65E-07 | 1.83E-07 | 6.32E-08 | 3.78E-07 | 1.25E-06 | 5.44E-06 | 5.44E-06 | 3.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.29E-07 | 3.13E-08 | 3.50E-07 | 1.65E-07 | 1.83E-07 | 6.32E-08 | 3.78E-07 | 1.25E-06 | 5.44E-06 | 5.44E-06 | 3.31E-06 |
| THYROID | G | 2.42E-07 | 8.16E-09 | 1.82E-07 | 4.05E-08 | 4.39E-08 | 1.71E-08 | 1.07E-07 | 2.87E-07 | 1.37E-06 | 1.37E-06 | 1.86E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.42E-07 | 8.16E-09 | 1.82E-07 | 4.05E-08 | 4.39E-08 | 1.71E-08 | 1.07E-07 | 2.87E-07 | 1.37E-06 | 1.37E-06 | 1.86E-06 |
| UTERUS | G | 2.15E-06 | 2.13E-05 | 1.18E-06 | 1.27E-05 | 6.53E-06 | 9.10E-06 | 1.37E-06 | 5.70E-07 | 1.34E-07 | 1.34E-07 | 3.04E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.15E-06 | 2.13E-05 | 1.18E-06 | 1.27E-05 | 6.53E-06 | 9.10E-06 | 1.37E-06 | 5.70E-07 | 1.34E-07 | 1.34E-07 | 3.04E-06 |
| T BODY | G | 2.33E-06 | 2.60E-06 | 2.46E-06 | 2.76E-06 | 2.68E-06 | 2.66E-06 | 2.34E-06 | 2.36E-06 | 2.02E-06 | 2.02E-06 | 1.94E-06 |
| | B | 1.66E-04 | 1.86E-05 | 4.97E-05 | 1.33E-04 | 7.91E-05 | 9.82E-05 | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 |
| | T | 1.68E-04 | 2.12E-05 | 5.22E-05 | 1.35E-04 | 8.17E-05 | 1.01E-04 | 1.68E-04 | 1.68E-04 | 1.68E-04 | 1.68E-04 | 1.68E-04 |

CONTINUED NEXT PAGE

33-ARSENIC-77 AND 34-SELENIUM-77M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 6.41E-07 | 1.17E-05 | 1.97E-06 | 1.97E-06 | 3.26E-06 | 1.80E-06 | 1.07E-06 | 8.82E-06 | 7.65E-08 | 2.42E-07 | 2.78E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 6.41E-07 | 1.17E-05 | 1.97E-06 | 1.97E-06 | 3.26E-06 | 1.80E-06 | 1.07E-06 | 8.82E-06 | 7.65E-08 | 2.42E-07 | 1.68E-04 |
| BLAD WALL | G | 9.54E-06 | 2.37E-07 | 7.58E-07 | 7.58E-07 | 1.05E-06 | 4.64E-07 | 7.92E-07 | 2.19E-07 | 6.84E-06 | 8.24E-09 | 2.47E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 9.54E-06 | 2.37E-07 | 7.58E-07 | 7.58E-07 | 1.05E-06 | 4.64E-07 | 7.92E-07 | 2.19E-07 | 6.84E-06 | 8.24E-09 | 1.68E-04 |
| GI TRACT S WALL | G | 1.13E-06 | 2.49E-05 | 8.09E-07 | 8.09E-07 | 1.48E-06 | 1.04E-06 | 8.22E-07 | 1.35E-05 | 1.01E-07 | 1.04E-07 | 2.57E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.13E-06 | 2.49E-05 | 8.09E-07 | 8.09E-07 | 1.48E-06 | 1.04E-06 | 8.22E-07 | 1.35E-05 | 1.01E-07 | 1.04E-07 | 1.68E-04 |
| SI+CONT | G | 1.65E-05 | 2.54E-06 | 1.09E-06 | 1.09E-06 | 3.67E-06 | 1.48E-06 | 7.09E-07 | 1.96E-06 | 6.40E-07 | 1.76E-08 | 2.76E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.65E-05 | 2.54E-06 | 1.09E-06 | 1.09E-06 | 3.67E-06 | 1.48E-06 | 7.09E-07 | 1.96E-06 | 6.40E-07 | 1.76E-08 | 1.68E-04 |
| ULI WALL | G | 1.56E-05 | 3.06E-06 | 1.01E-06 | 1.01E-06 | 2.92E-06 | 1.28E-06 | 7.11E-07 | 1.82E-06 | 4.86E-07 | 1.58E-08 | 2.59E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.56E-05 | 3.06E-06 | 1.01E-06 | 1.01E-06 | 2.92E-06 | 1.28E-06 | 7.11E-07 | 1.82E-06 | 4.86E-07 | 1.58E-08 | 1.68E-04 |
| LLI WALL | G | 1.99E-05 | 7.80E-07 | 1.43E-06 | 1.43E-06 | 4.14E-06 | 1.23E-06 | 7.49E-07 | 9.17E-07 | 3.90E-06 | 1.41E-08 | 2.50E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.99E-05 | 7.80E-07 | 1.43E-06 | 1.43E-06 | 4.14E-06 | 1.23E-06 | 7.49E-07 | 9.17E-07 | 3.90E-06 | 1.41E-08 | 1.68E-04 |
| KIDNEYS | G | 1.43E-06 | 8.83E-06 | 1.27E-06 | 1.27E-06 | 3.19E-06 | 1.59E-06 | 9.49E-07 | 1.22E-05 | 1.02E-07 | 6.02E-08 | 2.41E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.43E-06 | 8.83E-06 | 1.27E-06 | 1.27E-06 | 3.19E-06 | 1.59E-06 | 9.49E-07 | 1.22E-05 | 1.02E-07 | 6.02E-08 | 1.68E-04 |
| LIVER | G | 8.28E-07 | 5.97E-06 | 9.52E-07 | 9.52E-07 | 1.38E-06 | 1.43E-06 | 8.46E-07 | 1.45E-06 | 6.26E-08 | 1.85E-07 | 2.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 8.28E-07 | 5.97E-06 | 9.52E-07 | 9.52E-07 | 1.38E-06 | 1.43E-06 | 8.46E-07 | 1.45E-06 | 6.26E-08 | 1.85E-07 | 1.68E-04 |
| LUNGS | G | 1.21E-07 | 3.44E-06 | 1.37E-06 | 1.37E-06 | 1.68E-06 | 1.37E-06 | 9.07E-07 | 3.09E-06 | 1.78E-08 | 1.39E-06 | 2.04E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.21E-07 | 3.44E-06 | 1.37E-06 | 1.37E-06 | 1.68E-06 | 1.37E-06 | 9.07E-07 | 3.09E-06 | 1.78E-08 | 1.39E-06 | 1.68E-04 |
| RESP LYM NODE | G | 1.21E-07 | 3.44E-06 | 1.37E-06 | 1.37E-06 | 1.68E-06 | 1.37E-06 | 9.07E-07 | 3.09E-06 | 1.78E-08 | 1.39E-06 | 2.04E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.21E-07 | 3.44E-06 | 1.37E-06 | 1.37E-06 | 1.68E-06 | 1.37E-06 | 9.07E-07 | 3.09E-06 | 1.78E-08 | 1.39E-06 | 1.68E-04 |
| MUSCLE* | G | 2.76E-06 | 2.49E-06 | 1.49E-06 | 1.49E-06 | 1.77E-06 | 1.35E-06 | 1.15E-06 | 2.03E-06 | 1.66E-06 | 1.86E-06 | 1.94E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 2.76E-06 | 2.49E-06 | 1.49E-06 | 1.49E-06 | 1.77E-06 | 1.35E-06 | 1.15E-06 | 2.03E-06 | 1.66E-06 | 1.86E-06 | 1.68E-04 |
| OVARIES | G | 1.05E-03 | 4.92E-07 | 1.17E-06 | 1.17E-06 | 3.92E-06 | 1.69E-06 | 5.82E-07 | 1.04E-06 | 1.40E-50 | 1.66E-08 | 2.48E-06 |
| | B | 1.05E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.06E 00 | 4.92E-07 | 1.17E-06 | 1.17E-06 | 3.92E-06 | 1.69E-06 | 5.82E-07 | 1.04E-06 | 1.40E-50 | 1.66E-08 | 1.68E-04 |

33-ARSENIC-77 AND 34-SELENIUM-77M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 7.24E-07 | 2.87E-04 | 1.40E-06 | 1.40E-06 | 2.31E-06 | 1.82E-06 | 7.96E-07 | 2.64E-05 | 8.51E-08 | 1.28E-07 | 2.76E-06 |
| | B | 0.0 | 1.16E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 7.24E-07 | 1.16E-01 | 1.40E-06 | 1.40E-06 | 2.31E-06 | 1.82E-06 | 7.96E-07 | 2.64E-05 | 8.51E-08 | 1.28E-07 | 1.68E-04 |
| SKELETON BONE | G | 1.56E-06 | 1.50E-06 | 5.15E-06 | 5.15E-06 | 3.44E-06 | 3.76E-06 | 1.20E-06 | 1.23E-06 | 1.03E-06 | 1.15E-06 | 2.25E-06 |
| | B | 0.0 | 0.0 | 2.32E-03 | 1.49E-03 | 5.50E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.56E-06 | 1.50E-06 | 2.32E-03 | 1.50E-03 | 5.53E-04 | 3.76E-06 | 1.20E-06 | 1.23E-06 | 1.03E-06 | 1.15E-06 | 1.68E-04 |
| R MARROW | G | 5.32E-06 | 2.87E-06 | 4.61E-06 | 4.61E-06 | 1.10E-05 | 3.89E-06 | 1.14E-06 | 1.86E-06 | 8.36E-07 | 1.26E-06 | 2.55E-06 |
| | B | 0.0 | 0.0 | 4.36E-05 | 2.75E-03 | 5.78E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 5.32E-06 | 2.87E-06 | 4.82E-05 | 2.75E-03 | 5.79E-03 | 3.89E-06 | 1.14E-06 | 1.86E-06 | 8.36E-07 | 1.26E-06 | 1.68E-04 |
| Y MARROW | G | 2.08E-06 | 1.76E-06 | 4.43E-06 | 4.43E-06 | 4.24E-06 | 6.40E-06 | 1.26E-06 | 1.83E-06 | 4.15E-07 | 6.02E-07 | 2.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.73E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 2.08E-06 | 1.76E-06 | 4.43E-06 | 4.43E-06 | 4.24E-06 | 7.74E-03 | 1.26E-06 | 1.83E-06 | 4.15E-07 | 6.02E-07 | 1.68E-04 |
| T E CL | G | 1.56E-06 | 1.50E-06 | 5.15E-06 | 5.15E-06 | 4.64E-06 | 4.16E-06 | 1.20E-06 | 1.23E-06 | 1.03E-06 | 1.15E-06 | 2.26E-06 |
| | B | 0.0 | 0.0 | 1.48E-03 | 2.67E-03 | 2.08E-03 | 1.93E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 1.56E-06 | 1.50E-06 | 1.49E-03 | 2.68E-03 | 2.09E-03 | 1.94E-03 | 1.20E-06 | 1.23E-06 | 1.03E-06 | 1.15E-06 | 1.68E-04 |
| SKIN | G | 6.69E-07 | 6.45E-07 | 1.09E-06 | 1.09E-06 | 9.74E-07 | 1.21E-06 | 2.63E-06 | 7.70E-07 | 2.08E-06 | 1.15E-06 | 1.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.46E-03 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 6.69E-07 | 6.45E-07 | 1.09E-06 | 1.09E-06 | 9.74E-07 | 1.21E-06 | 4.46E-03 | 7.70E-07 | 2.08E-06 | 1.15E-06 | 1.67E-04 |
| SPLEEN | G | 8.40E-07 | 2.65E-05 | 1.00E-06 | 1.00E-06 | 1.23E-06 | 1.44E-06 | 8.48E-07 | 1.77E-04 | 8.59E-08 | 1.72E-07 | 2.47E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.44E-02 | 0.0 | 0.0 | 1.66E-04 |
| | T | 8.40E-07 | 2.65E-05 | 1.00E-06 | 1.00E-06 | 1.23E-06 | 1.44E-06 | 8.48E-07 | 6.46E-02 | 8.59E-08 | 1.72E-07 | 1.68E-04 |
| TESTES | G | 1.40E-50 | 9.84E-08 | 8.47E-07 | 8.47E-07 | 5.03E-07 | 1.46E-06 | 1.35E-06 | 1.08E-07 | 4.85E-04 | 2.65E-09 | 1.94E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.31E-01 | 0.0 | 1.66E-04 |
| | T | 1.40E-50 | 9.84E-08 | 8.47E-07 | 8.47E-07 | 5.03E-07 | 1.46E-06 | 1.35E-06 | 1.08E-07 | 3.32E-01 | 2.65E-09 | 1.68E-04 |
| THYMUS | G | 6.49E-08 | 9.98E-07 | 8.11E-07 | 8.11E-07 | 9.07E-07 | 8.41E-07 | 1.05E-06 | 5.70E-07 | 9.67E-09 | 6.03E-06 | 2.82E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 6.49E-08 | 9.98E-07 | 8.11E-07 | 8.11E-07 | 9.07E-07 | 8.41E-07 | 1.05E-06 | 5.70E-07 | 9.67E-09 | 6.03E-06 | 1.68E-04 |
| THYROID | G | 1.66E-08 | 2.26E-07 | 1.37E-06 | 1.37E-06 | 1.10E-06 | 1.30E-06 | 1.10E-06 | 1.76E-07 | 2.65E-09 | 6.52E-04 | 1.81E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.80E-01 | 1.66E-04 |
| | T | 1.66E-08 | 2.26E-07 | 1.37E-06 | 1.37E-06 | 1.10E-06 | 1.30E-06 | 1.10E-06 | 1.76E-07 | 2.65E-09 | 5.80E-01 | 1.67E-04 |
| UTERUS | G | 2.78E-05 | 8.80E-07 | 8.46E-07 | 8.46E-07 | 3.00E-06 | 9.04E-07 | 6.43E-07 | 5.92E-07 | 1.40E-50 | 1.56E-08 | 2.76E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-04 |
| | T | 2.78E-05 | 8.80E-07 | 8.46E-07 | 8.46E-07 | 3.00E-06 | 9.04E-07 | 6.43E-07 | 5.92E-07 | 1.40E-50 | 1.56E-08 | 1.68E-04 |
| T BODY | G | 2.81E-06 | 2.75E-06 | 2.00E-06 | 2.00E-06 | 2.22E-06 | 1.75E-06 | 1.17E-06 | 2.35E-06 | 1.93E-06 | 1.78E-06 | 1.98E-06 |
| | B | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 | 1.66E-04 |
| | T | 1.68E-04 | 1.68E-04 | 1.68E-04 | 1.68E-04 | 1.68E-04 | 1.67E-04 | 1.67E-04 | 1.68E-04 | 1.68E-04 | 1.67E-04 | 1.68E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 34-SELENIUM-77M (TR=1.758E 01 SEC)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.24E-02 | 2.65E-06 | 4.07E-05 | 1.93E-05 | 1.43E-05 | 6.16E-06 | 1.65E-04 | 7.33E-05 | 4.05E-05 | 4.05E-05 | 2.28E-05 |
| | B | 2.81E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.94E-01 | 2.65E-06 | 4.07E-05 | 1.93E-05 | 1.43E-05 | 6.16E-06 | 1.65E-04 | 7.33E-05 | 4.05E-05 | 4.05E-05 | 2.28E-05 |
| BLAD WALL | G | 2.02E-06 | 1.19E-03 | 3.94E-06 | 4.05E-05 | 3.43E-05 | 1.06E-04 | 4.59E-06 | 2.45E-06 | 6.45E-07 | 6.45E-07 | 2.74E-05 |
| | B | 0.0 | 9.84E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.02E-06 | 1.10E-02 | 3.94E-06 | 4.05E-05 | 3.43E-05 | 1.06E-04 | 4.59E-06 | 2.45E-06 | 6.45E-07 | 6.45E-07 | 2.74E-05 |
| GI TRACT S WALL | G | 4.55E-05 | 4.33E-06 | 8.28E-04 | 5.74E-05 | 5.87E-05 | 2.77E-05 | 5.48E-05 | 2.95E-05 | 2.88E-05 | 2.88E-05 | 2.03E-05 |
| | B | 0.0 | 0.0 | 7.87E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.55E-05 | 4.33E-06 | 8.70E-03 | 5.74E-05 | 5.87E-05 | 2.77E-05 | 5.48E-05 | 2.95E-05 | 2.88E-05 | 2.88E-05 | 2.03E-05 |
| SI+CONT | G | 1.31E-05 | 4.62E-05 | 4.16E-05 | 5.59E-04 | 2.60E-04 | 1.46E-04 | 4.50E-05 | 2.58E-05 | 3.00E-06 | 3.00E-06 | 2.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 4.92E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.31E-05 | 4.62E-05 | 4.16E-05 | 5.48E-03 | 2.60E-04 | 1.46E-04 | 4.50E-05 | 2.58E-05 | 3.00E-06 | 3.00E-06 | 2.40E-05 |
| ULI WALL | G | 1.45E-05 | 3.51E-05 | 5.53E-05 | 4.15E-04 | 6.94E-04 | 6.69E-05 | 4.49E-05 | 3.89E-05 | 3.57E-06 | 3.57E-06 | 2.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 8.95E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.45E-05 | 3.51E-05 | 5.53E-05 | 4.15E-04 | 9.64E-03 | 6.69E-05 | 4.49E-05 | 3.89E-05 | 3.57E-06 | 3.57E-06 | 2.54E-05 |
| LLI WALL | G | 3.45E-06 | 1.14E-04 | 1.92E-05 | 1.16E-04 | 4.89E-05 | 8.34E-04 | 1.19E-05 | 3.63E-06 | 1.34E-06 | 1.34E-06 | 2.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.45E-06 | 1.14E-04 | 1.92E-05 | 1.16E-04 | 4.89E-05 | 1.54E-02 | 1.19E-05 | 3.63E-06 | 1.34E-06 | 1.34E-06 | 2.61E-05 |
| KIDNEYS | G | 1.77E-04 | 4.22E-06 | 5.47E-05 | 4.91E-05 | 4.39E-05 | 1.40E-05 | 1.43E-03 | 6.10E-05 | 1.34E-05 | 1.34E-05 | 2.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.27E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.77E-04 | 4.22E-06 | 5.47E-05 | 4.91E-05 | 4.39E-05 | 1.40E-05 | 1.41E-02 | 6.10E-05 | 1.34E-05 | 1.34E-05 | 2.14E-05 |
| LIVER | G | 7.70E-05 | 2.90E-06 | 3.12E-05 | 2.88E-05 | 4.04E-05 | 4.09E-06 | 6.01E-05 | 4.49E-04 | 3.83E-05 | 3.83E-05 | 1.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-03 | 0.0 | 0.0 | 0.0 |
| | T | 7.70E-05 | 2.90E-06 | 3.12E-05 | 2.88E-05 | 4.04E-05 | 4.09E-06 | 6.01E-05 | 2.64E-03 | 3.83E-05 | 3.83E-05 | 1.66E-05 |
| LUNGS | G | 3.85E-05 | 3.86E-07 | 2.67E-05 | 3.62E-06 | 4.16E-06 | 1.28E-06 | 1.32E-05 | 3.90E-05 | 3.18E-04 | 3.18E-04 | 2.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-03 | 3.94E-03 | 0.0 |
| | T | 3.85E-05 | 3.86E-07 | 2.67E-05 | 3.62E-06 | 4.16E-06 | 1.28E-06 | 1.32E-05 | 3.90E-05 | 4.25E-03 | 4.25E-03 | 2.05E-05 |
| RESP LYM NODE | G | 3.85E-05 | 3.86E-07 | 2.67E-05 | 3.62E-06 | 4.16E-06 | 1.28E-06 | 1.32E-05 | 3.90E-05 | 3.17E-04 | 3.18E-04 | 2.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.81E-03 | 2.62E-01 | 0.0 |
| | T | 3.85E-05 | 3.86E-07 | 2.67E-05 | 3.62E-06 | 4.16E-06 | 1.28E-06 | 1.32E-05 | 3.90E-05 | 4.13E-03 | 2.63E-01 | 2.05E-05 |
| MUSCLE* | G | 2.28E-05 | 2.74E-05 | 2.16E-05 | 2.40E-05 | 2.28E-05 | 2.61E-05 | 2.14E-05 | 1.66E-05 | 2.05E-05 | 2.05E-05 | 2.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 2.28E-05 | 2.74E-05 | 2.16E-05 | 2.40E-05 | 2.28E-05 | 2.61E-05 | 2.14E-05 | 1.66E-05 | 2.05E-05 | 2.05E-05 | 1.64E-04 |
| OVARIES | G | 9.47E-06 | 1.16E-04 | 7.41E-06 | 1.67E-04 | 1.82E-04 | 2.92E-04 | 1.82E-05 | 7.29E-06 | 1.63E-06 | 1.63E-06 | 3.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.47E-06 | 1.16E-04 | 7.41E-06 | 1.67E-04 | 1.82E-04 | 2.92E-04 | 1.82E-05 | 7.29E-06 | 1.63E-06 | 1.63E-06 | 3.12E-05 |

34-SELENIUM-77M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.38E-04 | 4.04E-06 | 2.81E-04 | 3.20E-05 | 3.72E-05 | 1.14E-05 | 1.01E-04 | 6.39E-05 | 4.00E-05 | 4.00E-05 | 2.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.38E-04 | 4.04E-06 | 2.81E-04 | 3.20E-05 | 3.72E-05 | 1.14E-05 | 1.01E-04 | 6.39E-05 | 4.00E-05 | 4.00E-05 | 2.80E-05 |
| SKELETON BONE | G | 2.88E-05 | 1.35E-05 | 1.32E-05 | 1.83E-05 | 1.64E-05 | 2.34E-05 | 2.09E-05 | 1.62E-05 | 2.12E-05 | 2.12E-05 | 1.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.88E-05 | 1.35E-05 | 1.32E-05 | 1.83E-05 | 1.64E-05 | 2.34E-05 | 2.09E-05 | 1.62E-05 | 2.12E-05 | 2.12E-05 | 1.57E-05 |
| R MARROW | G | 5.24E-05 | 3.19E-05 | 2.35E-05 | 6.11E-05 | 5.27E-05 | 7.21E-05 | 5.46E-05 | 2.35E-05 | 2.70E-05 | 2.70E-05 | 2.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.24E-05 | 3.19E-05 | 2.35E-05 | 6.11E-05 | 5.27E-05 | 7.21E-05 | 5.46E-05 | 2.35E-05 | 2.70E-05 | 2.70E-05 | 2.90E-05 |
| Y MARROW | G | 2.76E-05 | 1.27E-05 | 1.84E-05 | 2.56E-05 | 2.36E-05 | 2.89E-05 | 2.56E-05 | 2.40E-05 | 2.18E-05 | 2.18E-05 | 2.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.76E-05 | 1.27E-05 | 1.84E-05 | 2.56E-05 | 2.36E-05 | 2.89E-05 | 2.56E-05 | 2.40E-05 | 2.18E-05 | 2.18E-05 | 2.19E-05 |
| T E CL | G | 2.88E-05 | 1.35E-05 | 1.32E-05 | 1.83E-05 | 1.64E-05 | 2.34E-05 | 2.09E-05 | 1.62E-05 | 2.12E-05 | 2.12E-05 | 1.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.88E-05 | 1.35E-05 | 1.32E-05 | 1.83E-05 | 1.64E-05 | 2.34E-05 | 2.09E-05 | 1.62E-05 | 2.12E-05 | 2.12E-05 | 1.57E-05 |
| SKIN | G | 8.36E-06 | 8.63E-06 | 7.02E-06 | 6.70E-06 | 6.68E-06 | 7.83E-06 | 8.50E-06 | 7.82E-06 | 8.56E-06 | 8.56E-06 | 1.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.36E-06 | 8.63E-06 | 7.02E-06 | 6.70E-06 | 6.68E-06 | 7.83E-06 | 8.50E-06 | 7.82E-06 | 8.56E-06 | 8.56E-06 | 1.19E-05 |
| SPLEEN | G | 1.01E-04 | 7.57E-06 | 1.56E-04 | 2.40E-05 | 2.24E-05 | 1.23E-05 | 1.35E-04 | 1.44E-05 | 3.59E-05 | 3.59E-05 | 2.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.01E-04 | 7.57E-06 | 1.56E-04 | 2.40E-05 | 2.24E-05 | 1.23E-05 | 1.35E-04 | 1.44E-05 | 3.59E-05 | 3.59E-05 | 2.24E-05 |
| TESTES | G | 5.79E-07 | 7.17E-05 | 8.82E-07 | 5.09E-06 | 4.49E-06 | 2.89E-05 | 1.54E-06 | 1.10E-06 | 1.51E-07 | 1.51E-07 | 1.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.79E-07 | 7.17E-05 | 8.82E-07 | 5.09E-06 | 4.49E-06 | 2.89E-05 | 1.54E-06 | 1.10E-06 | 1.51E-07 | 1.51E-07 | 1.77E-05 |
| THYMUS | G | 6.20E-06 | 2.05E-07 | 4.04E-06 | 1.42E-06 | 1.69E-06 | 4.83E-07 | 3.09E-06 | 9.92E-06 | 6.58E-05 | 6.58E-05 | 3.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.20E-06 | 2.05E-07 | 4.04E-06 | 1.42E-06 | 1.69E-06 | 4.83E-07 | 3.09E-06 | 9.92E-06 | 6.58E-05 | 6.58E-05 | 3.89E-05 |
| THYROID | G | 2.17E-06 | 4.12E-08 | 1.55E-06 | 2.78E-07 | 3.06E-07 | 1.03E-07 | 8.54E-07 | 2.75E-06 | 1.39E-05 | 1.39E-05 | 2.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.17E-06 | 4.12E-08 | 1.55E-06 | 2.78E-07 | 3.06E-07 | 1.03E-07 | 8.54E-07 | 2.75E-06 | 1.39E-05 | 1.39E-05 | 2.04E-05 |
| UTERUS | G | 2.39E-05 | 2.44E-04 | 1.24E-05 | 1.48E-04 | 8.02E-05 | 1.11E-04 | 1.55E-05 | 6.08E-06 | 1.37E-06 | 1.37E-06 | 3.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.39E-05 | 2.44E-04 | 1.24E-05 | 1.48E-04 | 8.02E-05 | 1.11E-04 | 1.55E-05 | 6.08E-06 | 1.37E-06 | 1.37E-06 | 3.84E-05 |
| T BODY | G | 2.77E-05 | 3.08E-05 | 2.92E-05 | 3.28E-05 | 3.19E-05 | 3.18E-05 | 2.77E-05 | 2.79E-05 | 2.44E-05 | 2.44E-05 | 2.23E-05 |
| | B | 5.62E-05 | 6.33E-06 | 1.69E-05 | 4.50E-05 | 2.68E-05 | 3.33E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 |
| | T | 8.39E-05 | 3.71E-05 | 4.60E-05 | 7.78E-05 | 5.87E-05 | 6.51E-05 | 8.39E-05 | 8.42E-05 | 8.07E-05 | 8.07E-05 | 7.85E-05 |

CONTINUED NEXT PAGE

34-SELENIUM-77M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 5.37E-06 | 1.38E-04 | 1.79E-05 | 1.79E-05 | 3.82E-05 | 1.99E-05 | 1.15E-05 | 9.89E-05 | 5.79E-07 | 2.17E-06 | 2.95E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 5.37E-06 | 1.38E-04 | 1.79E-05 | 1.79E-05 | 3.82E-05 | 1.99E-05 | 1.15E-05 | 9.89E-05 | 5.79E-07 | 2.17E-06 | 8.58E-05 |
| BLAD WALL | G | 1.10E-04 | 2.30E-06 | 7.78E-06 | 7.78E-06 | 1.43E-05 | 6.12E-06 | 7.87E-06 | 2.14E-06 | 7.47E-05 | 4.17E-08 | 2.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 1.10E-04 | 2.30E-06 | 7.78E-06 | 7.78E-06 | 1.43E-05 | 6.12E-06 | 7.87E-06 | 2.14E-06 | 7.47E-05 | 4.17E-08 | 8.43E-05 |
| GI TRACT S WALL | G | 1.25E-05 | 2.80E-04 | 8.80E-06 | 8.80E-06 | 1.57E-05 | 1.22E-05 | 8.49E-06 | 1.53E-04 | 5.83E-07 | 6.82E-07 | 2.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 1.25E-05 | 2.80E-04 | 8.80E-06 | 8.80E-06 | 1.57E-05 | 1.22E-05 | 8.49E-06 | 1.53E-04 | 5.83E-07 | 6.82E-07 | 8.49E-05 |
| SI+CONT | G | 1.87E-04 | 2.88E-05 | 1.16E-05 | 1.16E-05 | 4.05E-05 | 1.66E-05 | 7.22E-06 | 2.22E-05 | 5.92E-06 | 1.82E-07 | 3.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 1.87E-04 | 2.88E-05 | 1.16E-05 | 1.16E-05 | 4.05E-05 | 1.66E-05 | 7.22E-06 | 2.22E-05 | 5.92E-06 | 1.82E-07 | 8.86E-05 |
| ULI WALL | G | 1.74E-04 | 3.40E-05 | 1.11E-05 | 1.11E-05 | 3.29E-05 | 1.47E-05 | 7.27E-06 | 2.13E-05 | 5.17E-06 | 1.75E-07 | 3.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 1.74E-04 | 3.40E-05 | 1.11E-05 | 1.11E-05 | 3.29E-05 | 1.47E-05 | 7.27E-06 | 2.13E-05 | 5.17E-06 | 1.75E-07 | 8.66E-05 |
| LLI WALL | G | 2.26E-04 | 8.92E-06 | 1.64E-05 | 1.64E-05 | 4.54E-05 | 1.43E-05 | 7.58E-06 | 9.68E-06 | 4.28E-05 | 8.36E-08 | 2.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 2.26E-04 | 8.92E-06 | 1.64E-05 | 1.64E-05 | 4.54E-05 | 1.43E-05 | 7.58E-06 | 9.68E-06 | 4.28E-05 | 8.36E-08 | 8.43E-05 |
| KIDNEYS | G | 1.47E-05 | 1.02E-04 | 1.34E-05 | 1.34E-05 | 3.45E-05 | 1.69E-05 | 9.32E-06 | 1.41E-04 | 7.19E-07 | 5.57E-07 | 2.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 1.47E-05 | 1.02E-04 | 1.34E-05 | 1.34E-05 | 3.45E-05 | 1.69E-05 | 9.32E-06 | 1.41E-04 | 7.19E-07 | 5.57E-07 | 8.37E-05 |
| LIVER | G | 8.69E-06 | 6.88E-05 | 1.03E-05 | 1.03E-05 | 1.47E-05 | 1.54E-05 | 8.48E-06 | 1.56E-05 | 5.40E-07 | 1.60E-06 | 2.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 8.69E-06 | 6.88E-05 | 1.03E-05 | 1.03E-05 | 1.47E-05 | 1.54E-05 | 8.48E-06 | 1.56E-05 | 5.40E-07 | 1.60E-06 | 8.32E-05 |
| LUNGS | G | 9.96E-07 | 3.95E-05 | 1.50E-05 | 1.50E-05 | 1.85E-05 | 1.50E-05 | 9.39E-06 | 3.51E-05 | 1.34E-07 | 1.47E-05 | 2.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 9.96E-07 | 3.95E-05 | 1.50E-05 | 1.50E-05 | 1.85E-05 | 1.50E-05 | 9.39E-06 | 3.51E-05 | 1.34E-07 | 1.47E-05 | 7.97E-05 |
| RESP LYM NODE | G | 9.96E-07 | 3.95E-05 | 1.50E-05 | 1.50E-05 | 1.85E-05 | 1.50E-05 | 9.39E-06 | 3.51E-05 | 1.34E-07 | 1.47E-05 | 2.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 9.96E-07 | 3.95E-05 | 1.50E-05 | 1.50E-05 | 1.85E-05 | 1.50E-05 | 9.39E-06 | 3.51E-05 | 1.34E-07 | 1.47E-05 | 7.97E-05 |
| MUSCLE* | G | 3.12E-05 | 2.80E-05 | 1.57E-05 | 1.57E-05 | 1.89E-05 | 1.40E-05 | 1.19E-05 | 2.24E-05 | 1.77E-05 | 2.04E-05 | 2.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 3.12E-05 | 2.80E-05 | 1.57E-05 | 1.57E-05 | 1.89E-05 | 1.40E-05 | 1.19E-05 | 2.24E-05 | 1.77E-05 | 2.04E-05 | 7.85E-05 |
| OVARIES | G | 2.20E-02 | 5.87E-06 | 1.09E-05 | 1.09E-05 | 4.45E-05 | 2.35E-05 | 6.57E-06 | 7.16E-06 | 3.19E-48 | 9.57E-08 | 3.08E-05 |
| | B | 3.58E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 3.80E-01 | 5.87E-06 | 1.09E-05 | 1.09E-05 | 4.45E-05 | 2.35E-05 | 6.57E-06 | 7.16E-06 | 3.19E-48 | 9.57E-08 | 8.70E-05 |

34-SELENIUM-77M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 7.80E-06 | 4.73E-03 | 1.47E-05 | 1.47E-05 | 2.60E-05 | 1.88E-05 | 7.62E-06 | 2.91E-04 | 9.80E-07 | 1.34E-06 | 3.26E-05 |
| | B | 0.0 | 3.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 7.80E-06 | 4.41E-02 | 1.47E-05 | 1.47E-05 | 2.60E-05 | 1.88E-05 | 7.62E-06 | 2.91E-04 | 9.80E-07 | 1.34E-06 | 8.88E-05 |
| SKELETON BONE | G | 2.20E-05 | 2.10E-05 | 7.54E-05 | 7.54E-05 | 5.00E-05 | 5.60E-05 | 1.49E-05 | 1.66E-05 | 1.36E-05 | 1.49E-05 | 2.93E-05 |
| | B | 0.0 | 0.0 | 7.87E-04 | 5.74E-04 | 1.42E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 2.20E-05 | 2.10E-05 | 8.63E-04 | 6.49E-04 | 1.92E-04 | 5.60E-05 | 1.49E-05 | 1.66E-05 | 1.36E-05 | 1.49E-05 | 8.55E-05 |
| R MARROW | G | 7.75E-05 | 4.04E-05 | 6.91E-05 | 6.91E-05 | 1.69E-04 | 5.85E-05 | 1.42E-05 | 2.51E-05 | 1.09E-05 | 1.63E-05 | 3.55E-05 |
| | B | 0.0 | 0.0 | 8.67E-06 | 7.11E-04 | 2.13E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 7.75E-05 | 4.04E-05 | 7.78E-05 | 7.81E-04 | 2.30E-03 | 5.85E-05 | 1.42E-05 | 2.51E-05 | 1.09E-05 | 1.63E-05 | 9.18E-05 |
| Y MARROW | G | 2.97E-05 | 2.43E-05 | 6.61E-05 | 6.61E-05 | 6.42E-05 | 9.76E-05 | 1.55E-05 | 2.47E-05 | 5.07E-06 | 7.69E-06 | 2.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.62E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 2.97E-05 | 2.43E-05 | 6.61E-05 | 6.61E-05 | 6.42E-05 | 2.72E-03 | 1.55E-05 | 2.47E-05 | 5.07E-06 | 7.69E-06 | 8.48E-05 |
| T E CL | G | 2.20E-05 | 2.10E-05 | 7.53E-05 | 7.53E-05 | 6.91E-05 | 6.24E-05 | 1.49E-05 | 1.66E-05 | 1.36E-05 | 1.49E-05 | 3.06E-05 |
| | B | 0.0 | 0.0 | 4.59E-04 | 8.92E-04 | 7.18E-04 | 6.56E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 2.20E-05 | 2.10E-05 | 5.34E-04 | 9.67E-04 | 7.87E-04 | 7.18E-04 | 1.49E-05 | 1.66E-05 | 1.36E-05 | 1.49E-05 | 8.69E-05 |
| SKIN | G | 6.66E-06 | 6.48E-06 | 1.07E-05 | 1.07E-05 | 9.75E-06 | 1.20E-05 | 4.88E-05 | 7.50E-06 | 2.18E-05 | 1.18E-05 | 1.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51E-03 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 6.66E-06 | 6.48E-06 | 1.07E-05 | 1.07E-05 | 9.75E-06 | 1.20E-05 | 1.56E-03 | 7.50E-06 | 2.18E-05 | 1.18E-05 | 6.93E-05 |
| SPLEEN | G | 8.02E-06 | 2.98E-04 | 9.50E-06 | 9.50E-06 | 1.45E-05 | 1.64E-05 | 8.65E-06 | 2.52E-03 | 2.90E-07 | 1.74E-06 | 2.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-02 | 0.0 | 0.0 | 5.62E-05 |
| | T | 8.02E-06 | 2.98E-04 | 9.50E-06 | 9.50E-06 | 1.45E-05 | 1.64E-05 | 8.65E-06 | 2.44E-02 | 2.90E-07 | 1.74E-06 | 8.46E-05 |
| TESTES | G | 3.19E-48 | 9.82E-07 | 9.96E-06 | 9.96E-06 | 6.26E-06 | 1.71E-05 | 1.51E-05 | 8.64E-07 | 7.90E-03 | 1.04E-08 | 1.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-01 | 0.0 | 5.62E-05 |
| | T | 3.19E-48 | 9.82E-07 | 9.96E-06 | 9.96E-06 | 6.26E-06 | 1.71E-05 | 1.51E-05 | 8.64E-07 | 1.20E-01 | 1.04E-08 | 7.52E-05 |
| THYMUS | G | 4.79E-07 | 1.08E-05 | 7.85E-06 | 7.85E-06 | 1.30E-05 | 1.15E-05 | 1.00E-05 | 4.98E-06 | 5.04E-08 | 6.60E-05 | 3.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 4.79E-07 | 1.08E-05 | 7.85E-06 | 7.85E-06 | 1.30E-05 | 1.15E-05 | 1.00E-05 | 4.98E-06 | 5.04E-08 | 6.60E-05 | 8.91E-05 |
| THYROID | G | 9.58E-08 | 2.04E-06 | 1.31E-05 | 1.31E-05 | 1.09E-05 | 1.93E-05 | 1.13E-05 | 1.52E-06 | 1.04E-08 | 1.18E-02 | 1.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-01 | 5.62E-05 |
| | T | 9.58E-08 | 2.04E-06 | 1.31E-05 | 1.31E-05 | 1.09E-05 | 1.93E-05 | 1.13E-05 | 1.52E-06 | 1.04E-08 | 2.09E-01 | 7.49E-05 |
| UTERUS | G | 3.25E-04 | 8.92E-06 | 9.22E-06 | 9.22E-06 | 3.50E-05 | 1.02E-05 | 6.20E-06 | 6.27E-06 | 3.19E-48 | 8.90E-08 | 3.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.62E-05 |
| | T | 3.25E-04 | 8.92E-06 | 9.22E-06 | 9.22E-06 | 3.50E-05 | 1.02E-05 | 6.20E-06 | 6.27E-06 | 3.19E-48 | 8.90E-08 | 9.06E-05 |
| T BODY | G | 3.36E-05 | 3.29E-05 | 2.42E-05 | 2.42E-05 | 2.67E-05 | 2.11E-05 | 1.34E-05 | 2.79E-05 | 2.26E-05 | 2.10E-05 | 2.35E-05 |
| | B | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 | 5.62E-05 |
| | T | 8.98E-05 | 8.91E-05 | 8.04E-05 | 8.04E-05 | 8.29E-05 | 7.73E-05 | 6.96E-05 | 8.41E-05 | 7.88E-05 | 7.73E-05 | 7.97E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-ARTNA, A., NUCL. DATA B1-4-1 (1966)
DATE DECAY DATA REVIEWED-DECEMBER 1972

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 37-RUBIDIUM-87 (TB=5.000E 10 YEARS)

DATE OF TABLE 04-10-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | B | 4.05E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.05E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BLAD WALL | B | 0.0 | 1.42E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 1.42E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 1.13E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 1.13E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 7.09E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 7.09E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 1.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.10E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.10E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.15E-03 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.15E-03 | 0.0 | 0.0 | 0.0 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.67E-03 | 5.67E-03 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.67E-03 | 5.67E-03 | 0.0 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.67E-03 | 3.78E-01 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.67E-03 | 3.78E-01 | 0.0 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.03E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.03E-04 |
| OVARIES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

37-RUBIDIUM-87 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE● |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKELETON BONE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T E CL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T BODY | B | 8.11E-05 | 9.12E-06 | 2.43E-05 | 6.49E-05 | 3.87E-05 | 4.80E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 |
| | T | 8.11E-05 | 9.12E-06 | 2.43E-05 | 6.49E-05 | 3.87E-05 | 4.80E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 |

CONTINUED NEXT PAGE

37-RUBIDIUM-87 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| BLAD WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| OVARIES | B | 5.16E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 5.16E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |

37-RUBIDIUM-87 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | B | 0.0 | 5.67E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 5.67E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| SKELETON BONE | B | 0.0 | 0.0 | 1.13E-03 | 8.86E-04 | 1.66E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 1.13E-03 | 8.86E-04 | 1.66E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| R MARROW | B | 0.0 | 0.0 | 8.51E-06 | 8.30E-04 | 3.21E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 8.51E-06 | 8.30E-04 | 3.21E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.78E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.78E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| T E CL | B | 0.0 | 0.0 | 6.53E-04 | 1.32E-03 | 1.01E-03 | 9.46E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 6.53E-04 | 1.32E-03 | 1.01E-03 | 9.46E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.18E-03 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.18E-03 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.15E-02 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.15E-02 | 0.0 | 0.0 | 8.11E-05 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-01 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-01 | 0.0 | 8.11E-05 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.84E-01 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.84E-01 | 8.11E-05 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-05 |
| T BODY | B | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 |
| | T | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 | 8.11E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 40-ZIRCONIUM-93 (TR=1.500E 06 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | B | 7.06E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.06E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BLAD WALL | B | 0.0 | 2.47E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 2.47E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 1.98E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 1.98E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 1.24E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 1.24E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.25E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 2.25E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.66E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.66E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.19E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.19E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.49E-04 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.49E-04 | 0.0 | 0.0 | 0.0 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.89E-04 | 9.89E-04 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.89E-04 | 9.89E-04 | 0.0 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.51E-05 | 6.59E-02 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.51E-05 | 6.59E-02 | 0.0 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.53E-05 |
| OVARIES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

40-ZIRCONIUM-93 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKELETON BONE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T E CL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T BODY | B | 1.41E-05 | 1.59E-06 | 4.24E-06 | 1.13E-05 | 6.74E-06 | 8.37E-06 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 |
| | T | 1.41E-05 | 1.59E-06 | 4.24E-06 | 1.13E-05 | 6.74E-06 | 8.37E-06 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 |

CONTINUED NEXT PAGE

40-ZIRCONIUM-93 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| BLAD WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| OVARIES | B | 8.99E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 8.99E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |

40-ZIRCONIUM-93 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | B | 0.0 | 9.89E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 9.89E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| SKELETON BONE | B | 0.0 | 0.0 | 1.98E-04 | 1.91E-04 | 4.62E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 1.98E-04 | 1.91E-04 | 4.62E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| R MARROW | B | 0.0 | 0.0 | 1.81E-07 | 2.31E-05 | 6.43E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 1.81E-07 | 2.31E-05 | 6.43E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.59E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.59E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| T E CL | B | 0.0 | 0.0 | 3.84E-05 | 8.04E-05 | 2.76E-04 | 1.65E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 3.84E-05 | 8.04E-05 | 2.76E-04 | 1.65E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.80E-04 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.80E-04 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.49E-03 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.49E-03 | 0.0 | 0.0 | 1.41E-05 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.83E-02 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.83E-02 | 0.0 | 1.41E-05 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-02 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-02 | 1.41E-05 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-05 |
| T BODY | B | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 |
| | T | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 1.41E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 41-NIOBIUM-93M (TR=1.360E 01 YEARS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.17E-03 | 2.94E-14 | 2.87E-09 | 4.31E-11 | 3.93E-11 | 1.24E-12 | 3.90E-06 | 5.30E-07 | 1.48E-07 | 1.48E-07 | 7.44E-07 |
| | B | 1.06E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.08E-01 | 2.94E-14 | 2.87E-09 | 4.31E-11 | 3.93E-11 | 1.24E-12 | 3.90E-06 | 5.30E-07 | 1.48E-07 | 1.48E-07 | 7.44E-07 |
| BLAD WALL | G | 3.13E-14 | 9.97E-05 | 5.18E-13 | 4.78E-09 | 3.44E-09 | 1.72E-07 | 3.93E-13 | 2.23E-13 | 9.74E-15 | 9.74E-15 | 2.34E-07 |
| | B | 0.0 | 3.70E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.13E-14 | 3.80E-03 | 5.18E-13 | 4.78E-09 | 3.44E-09 | 1.72E-07 | 3.93E-13 | 2.23E-13 | 9.74E-15 | 9.74E-15 | 2.34E-07 |
| GI TRACT S WALL | G | 1.38E-08 | 6.32E-13 | 5.72E-05 | 2.99E-07 | 4.47E-07 | 2.42E-08 | 1.49E-08 | 4.61E-08 | 1.29E-07 | 1.29E-07 | 1.56E-07 |
| | B | 0.0 | 0.0 | 2.96E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.38E-08 | 6.32E-13 | 3.02E-03 | 2.99E-07 | 4.47E-07 | 2.42E-08 | 1.49E-08 | 4.61E-08 | 1.29E-07 | 1.29E-07 | 1.56E-07 |
| SI+CONT | G | 4.24E-11 | 4.82E-09 | 4.64E-08 | 4.42E-05 | 5.39E-06 | 2.86E-06 | 2.66E-08 | 3.15E-08 | 1.18E-12 | 1.18E-12 | 2.07E-07 |
| | B | 0.0 | 0.0 | 0.0 | 1.85E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.24E-11 | 4.82E-09 | 4.64E-08 | 1.90E-03 | 5.39E-06 | 2.86E-06 | 2.66E-08 | 3.15E-08 | 1.18E-12 | 1.18E-12 | 2.07E-07 |
| ULI WALL | G | 3.78E-10 | 2.80E-09 | 2.07E-07 | 3.03E-05 | 5.81E-05 | 1.82E-06 | 1.01E-08 | 5.88E-08 | 1.86E-12 | 1.86E-12 | 3.78E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.37E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.78E-10 | 2.80E-09 | 2.07E-07 | 3.03E-05 | 3.42E-03 | 1.82E-06 | 1.01E-08 | 5.88E-08 | 1.86E-12 | 1.86E-12 | 3.78E-07 |
| LLI WALL | G | 9.78E-13 | 2.34E-07 | 7.71E-09 | 4.08E-06 | 4.71E-07 | 8.03E-05 | 3.20E-10 | 7.89E-13 | 9.58E-14 | 9.58E-14 | 1.70E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.49E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.78E-13 | 2.34E-07 | 7.71E-09 | 4.08E-06 | 4.71E-07 | 5.57E-03 | 3.20E-10 | 7.89E-13 | 9.58E-14 | 9.58E-14 | 1.70E-07 |
| KIDNEYS | G | 3.64E-06 | 3.46E-13 | 1.14E-08 | 2.32E-08 | 9.68E-09 | 3.61E-10 | 1.87E-04 | 1.77E-07 | 1.59E-09 | 1.59E-09 | 3.91E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.78E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.64E-06 | 3.46E-13 | 1.14E-08 | 2.32E-08 | 9.68E-09 | 3.61E-10 | 4.96E-03 | 1.77E-07 | 1.59E-09 | 1.59E-09 | 3.91E-07 |
| LIVER | G | 5.25E-07 | 2.54E-13 | 2.56E-08 | 5.13E-08 | 6.27E-08 | 9.39E-13 | 1.56E-07 | 3.52E-05 | 2.94E-07 | 2.94E-07 | 1.79E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.23E-04 | 0.0 | 0.0 | 0.0 |
| | T | 5.25E-07 | 2.54E-13 | 2.56E-08 | 5.13E-08 | 6.27E-08 | 9.39E-13 | 1.56E-07 | 8.58E-04 | 2.94E-07 | 2.94E-07 | 1.79E-07 |
| LUNGS | G | 1.04E-07 | 2.50E-15 | 8.19E-08 | 7.88E-13 | 9.31E-13 | 4.95E-14 | 4.28E-09 | 3.93E-07 | 4.48E-05 | 4.48E-05 | 5.52E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.48E-03 | 1.48E-03 | 0.0 |
| | T | 1.04E-07 | 2.50E-15 | 8.19E-08 | 7.88E-13 | 9.31E-13 | 4.95E-14 | 4.28E-09 | 3.93E-07 | 1.53E-03 | 1.53E-03 | 5.52E-07 |
| RESP LYM NODE | G | 1.04E-07 | 2.50E-15 | 8.19E-08 | 7.88E-13 | 9.31E-13 | 4.95E-14 | 4.28E-09 | 3.93E-07 | 4.17E-05 | 4.48E-05 | 5.52E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.32E-03 | 9.87E-02 | 0.0 |
| | T | 1.04E-07 | 2.50E-15 | 8.19E-08 | 7.88E-13 | 9.31E-13 | 4.95E-14 | 4.28E-09 | 3.93E-07 | 1.36E-03 | 9.88E-02 | 5.52E-07 |
| MUSCLE* | G | 7.44E-07 | 2.34E-07 | 1.56E-07 | 2.07E-07 | 1.24E-07 | 1.70E-07 | 3.91E-07 | 1.79E-07 | 5.52E-07 | 5.52E-07 | 1.22E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.29E-05 |
| | T | 7.44E-07 | 2.34E-07 | 1.56E-07 | 2.07E-07 | 1.24E-07 | 1.70E-07 | 3.91E-07 | 1.79E-07 | 5.52E-07 | 5.52E-07 | 5.41E-05 |
| OVARIES | G | 3.37E-13 | 4.46E-08 | 3.10E-11 | 2.10E-06 | 2.76E-06 | 7.06E-06 | 5.17E-11 | 1.64E-11 | 5.78E-14 | 5.78E-14 | 7.26E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.37E-13 | 4.46E-08 | 3.10E-11 | 2.10E-06 | 2.76E-06 | 7.06E-06 | 5.17E-11 | 1.64E-11 | 5.78E-14 | 5.78E-14 | 7.26E-07 |

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.06E-07 | 9.64E-14 | 2.43E-06 | 1.13E-09 | 1.38E-09 | 3.63E-11 | 1.22E-07 | 1.76E-07 | 1.79E-08 | 1.79E-08 | 5.72E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.06E-07 | 9.64E-14 | 2.43E-06 | 1.13E-09 | 1.38E-09 | 3.63E-11 | 1.22E-07 | 1.76E-07 | 1.79E-08 | 1.79E-08 | 5.72E-07 |
| SKELETON BONE | G | 1.65E-07 | 4.45E-10 | 1.96E-08 | 7.91E-08 | 4.78E-08 | 2.13E-07 | 7.38E-08 | 7.96E-08 | 1.27E-07 | 1.27E-07 | 8.51E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.65E-07 | 4.45E-10 | 1.96E-08 | 7.91E-08 | 4.78E-08 | 2.13E-07 | 7.38E-08 | 7.96E-08 | 1.27E-07 | 1.27E-07 | 8.51E-08 |
| R MARROW | G | 2.45E-07 | 3.42E-09 | 2.07E-08 | 3.29E-07 | 2.01E-07 | 8.88E-07 | 1.94E-07 | 7.60E-08 | 1.40E-07 | 1.40E-07 | 4.36E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.45E-07 | 3.42E-09 | 2.07E-08 | 3.29E-07 | 2.01E-07 | 8.88E-07 | 1.94E-07 | 7.60E-08 | 1.40E-07 | 1.40E-07 | 4.36E-07 |
| Y MARROW | G | 1.55E-07 | 1.14E-09 | 2.68E-08 | 1.10E-07 | 6.70E-08 | 2.96E-07 | 8.86E-08 | 1.20E-07 | 1.63E-07 | 1.63E-07 | 3.79E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.55E-07 | 1.14E-09 | 2.68E-08 | 1.10E-07 | 6.70E-08 | 2.96E-07 | 8.86E-08 | 1.20E-07 | 1.63E-07 | 1.63E-07 | 3.79E-07 |
| T E CL | G | 1.65E-07 | 4.45E-10 | 1.96E-08 | 7.91E-08 | 4.78E-08 | 2.13E-07 | 7.38E-08 | 7.96E-08 | 1.27E-07 | 1.27E-07 | 8.51E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.65E-07 | 4.45E-10 | 1.96E-08 | 7.91E-08 | 4.78E-08 | 2.13E-07 | 7.38E-08 | 7.96E-08 | 1.27E-07 | 1.27E-07 | 8.51E-08 |
| SKIN | G | 2.55E-08 | 1.19E-08 | 1.07E-08 | 6.35E-09 | 2.66E-09 | 2.31E-08 | 4.23E-08 | 1.67E-08 | 2.05E-08 | 2.05E-08 | 4.39E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.55E-08 | 1.19E-08 | 1.07E-08 | 6.35E-09 | 2.66E-09 | 2.31E-08 | 4.23E-08 | 1.67E-08 | 2.05E-08 | 2.05E-08 | 4.39E-07 |
| SPLEEN | G | 2.25E-07 | 6.79E-14 | 2.95E-07 | 1.66E-09 | 1.39E-09 | 2.14E-10 | 1.39E-06 | 1.30E-10 | 1.71E-07 | 1.71E-07 | 3.47E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.25E-07 | 6.79E-14 | 2.95E-07 | 1.66E-09 | 1.39E-09 | 2.14E-10 | 1.39E-06 | 1.30E-10 | 1.71E-07 | 1.71E-07 | 3.47E-07 |
| TESTES | G | 1.78E-15 | 3.78E-08 | 1.20E-14 | 8.76E-13 | 1.12E-12 | 6.05E-09 | 1.10E-14 | 7.11E-15 | 7.87E-16 | 7.87E-16 | 1.03E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.78E-15 | 3.78E-08 | 1.20E-14 | 8.76E-13 | 1.12E-12 | 6.05E-09 | 1.10E-14 | 7.11E-15 | 7.87E-16 | 7.87E-16 | 1.03E-07 |
| THYMUS | G | 9.81E-13 | 3.21E-16 | 8.03E-13 | 1.00E-14 | 1.26E-14 | 1.85E-15 | 1.04E-13 | 5.42E-12 | 1.05E-07 | 1.05E-07 | 1.80E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.81E-13 | 3.21E-16 | 8.03E-13 | 1.00E-14 | 1.26E-14 | 1.85E-15 | 1.04E-13 | 5.42E-12 | 1.05E-07 | 1.05E-07 | 1.80E-06 |
| THYROID | G | 1.97E-14 | 2.33E-17 | 1.28E-14 | 5.54E-16 | 6.66E-16 | 1.32E-16 | 3.75E-15 | 2.22E-14 | 6.27E-10 | 6.27E-10 | 6.98E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.97E-14 | 2.33E-17 | 1.28E-14 | 5.54E-16 | 6.66E-16 | 1.32E-16 | 3.75E-15 | 2.22E-14 | 6.27E-10 | 6.27E-10 | 6.98E-07 |
| UTERUS | G | 1.81E-13 | 1.41E-06 | 9.21E-12 | 6.23E-07 | 3.31E-08 | 6.37E-08 | 1.43E-11 | 2.97E-12 | 4.30E-14 | 4.30E-14 | 1.26E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.81E-13 | 1.41E-06 | 9.21E-12 | 6.23E-07 | 3.31E-08 | 6.37E-08 | 1.43E-11 | 2.97E-12 | 4.30E-14 | 4.30E-14 | 1.26E-06 |
| T BODY | G | 1.05E-06 | 1.06E-06 | 1.06E-06 | 1.06E-06 | 1.06E-06 | 1.06E-06 | 1.05E-06 | 1.05E-06 | 1.05E-06 | 1.05E-06 | 9.81E-07 |
| | B | 2.12E-05 | 2.38E-06 | 6.35E-06 | 1.69E-05 | 1.01E-05 | 1.25E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 |
| | T | 2.22E-05 | 3.44E-06 | 7.40E-06 | 1.80E-05 | 1.12E-05 | 1.36E-05 | 2.22E-05 | 2.22E-05 | 2.22E-05 | 2.22E-05 | 2.21E-05 |

CONTINUED NEXT PAGE

41-NIOBIUM-93M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.37E-13 | 1.33E-07 | 1.40E-07 | 1.40E-07 | 2.18E-07 | 4.83E-08 | 4.40E-08 | 2.72E-07 | 1.78E-15 | 1.97E-14 | 1.02E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 3.37E-13 | 1.33E-07 | 1.40E-07 | 1.40E-07 | 2.18E-07 | 4.83E-08 | 4.40E-08 | 2.72E-07 | 1.78E-15 | 1.97E-14 | 2.22E-05 |
| BLAD WALL | G | 9.41E-08 | 8.46E-14 | 5.46E-10 | 5.46E-10 | 1.79E-09 | 5.11E-10 | 2.55E-08 | 7.87E-14 | 6.17E-08 | 2.41E-17 | 1.17E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 9.41E-08 | 8.46E-14 | 5.46E-10 | 5.46E-10 | 1.79E-09 | 5.11E-10 | 2.55E-08 | 7.87E-14 | 6.17E-08 | 2.41E-17 | 2.23E-05 |
| GI TRACT S WALL | G | 6.02E-11 | 4.66E-06 | 1.73E-08 | 1.73E-08 | 1.77E-08 | 3.30E-08 | 3.27E-08 | 4.20E-07 | 1.41E-14 | 3.53E-14 | 1.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 6.02E-11 | 4.66E-06 | 1.73E-08 | 1.73E-08 | 1.77E-08 | 3.30E-08 | 3.27E-08 | 4.20E-07 | 1.41E-14 | 3.53E-14 | 2.22E-05 |
| SI+CONT | G | 2.56E-06 | 1.10E-09 | 2.35E-08 | 2.35E-08 | 1.02E-07 | 4.00E-08 | 7.72E-09 | 2.57E-09 | 8.97E-13 | 5.56E-16 | 1.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 2.56E-06 | 1.10E-09 | 2.35E-08 | 2.35E-08 | 1.02E-07 | 4.00E-08 | 7.72E-09 | 2.57E-09 | 8.97E-13 | 5.56E-16 | 2.22E-05 |
| ULI WALL | G | 5.84E-06 | 1.67E-09 | 3.13E-08 | 3.13E-08 | 1.09E-07 | 3.21E-08 | 1.50E-08 | 1.84E-09 | 1.19E-12 | 6.75E-16 | 1.07E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 5.84E-06 | 1.67E-09 | 3.13E-08 | 3.13E-08 | 1.09E-07 | 3.21E-08 | 1.50E-08 | 1.84E-09 | 1.19E-12 | 6.75E-16 | 2.22E-05 |
| LLI WALL | G | 7.47E-06 | 2.64E-11 | 9.21E-08 | 9.21E-08 | 2.81E-07 | 6.87E-08 | 6.84E-09 | 1.60E-10 | 2.15E-08 | 1.03E-16 | 9.50E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 7.47E-06 | 2.64E-11 | 9.21E-08 | 9.21E-08 | 2.81E-07 | 6.87E-08 | 6.84E-09 | 1.60E-10 | 2.15E-08 | 1.03E-16 | 2.21E-05 |
| KIDNEYS | G | 5.58E-11 | 8.91E-08 | 3.61E-08 | 3.61E-08 | 5.45E-08 | 5.60E-08 | 4.40E-08 | 1.44E-06 | 8.83E-15 | 3.74E-15 | 1.03E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 5.58E-11 | 8.91E-08 | 3.61E-08 | 3.61E-08 | 5.45E-08 | 5.60E-08 | 4.40E-08 | 1.44E-06 | 8.83E-15 | 3.74E-15 | 2.22E-05 |
| LIVER | G | 1.75E-11 | 1.08E-07 | 2.11E-08 | 2.11E-08 | 2.13E-08 | 3.65E-08 | 1.63E-08 | 1.20E-10 | 6.07E-15 | 3.76E-14 | 1.05E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 1.75E-11 | 1.08E-07 | 2.11E-08 | 2.11E-08 | 2.13E-08 | 3.65E-08 | 1.63E-08 | 1.20E-10 | 6.07E-15 | 3.76E-14 | 2.22E-05 |
| LUNGS | G | 1.97E-14 | 3.18E-08 | 3.93E-08 | 3.93E-08 | 4.41E-08 | 4.47E-08 | 2.54E-08 | 1.77E-07 | 2.33E-16 | 9.05E-10 | 1.02E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 1.97E-14 | 3.18E-08 | 3.93E-08 | 3.93E-08 | 4.41E-08 | 4.47E-08 | 2.54E-08 | 1.77E-07 | 2.33E-16 | 9.05E-10 | 2.22E-05 |
| RESP LYM NODE | G | 1.97E-14 | 3.18E-08 | 3.93E-08 | 3.93E-08 | 4.41E-08 | 4.47E-08 | 2.54E-08 | 1.77E-07 | 2.33E-16 | 9.05E-10 | 1.02E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 1.97E-14 | 3.18E-08 | 3.93E-08 | 3.93E-08 | 4.41E-08 | 4.47E-08 | 2.54E-08 | 1.77E-07 | 2.33E-16 | 9.05E-10 | 2.22E-05 |
| MUSCLE* | G | 7.26E-07 | 5.72E-07 | 8.51E-08 | 8.51E-08 | 1.10E-07 | 1.29E-07 | 4.39E-07 | 3.47E-07 | 1.03E-07 | 6.98E-07 | 9.81E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 7.26E-07 | 5.72E-07 | 8.51E-08 | 8.51E-08 | 1.10E-07 | 1.29E-07 | 4.39E-07 | 3.47E-07 | 1.03E-07 | 6.98E-07 | 2.21E-05 |
| OVARIES | G | 3.88E-03 | 1.60E-12 | 2.59E-08 | 2.59E-08 | 9.86E-08 | 2.91E-08 | 5.30E-10 | 2.97E-12 | 3.10E-47 | 9.04E-17 | 1.50E-06 |
| | B | 1.35E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 1.39E-01 | 1.60E-12 | 2.59E-08 | 2.59E-08 | 9.86E-08 | 2.91E-08 | 5.30E-10 | 2.97E-12 | 3.10E-47 | 9.04E-17 | 2.27E-05 |

41-NIOBIUM-93M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.53E-12 | 7.27E-04 | 4.67E-08 | 4.67E-08 | 6.31E-09 | 1.34E-08 | 1.70E-09 | 5.26E-06 | 4.55E-15 | 1.76E-14 | 1.13E-06 |
| | B | 0.0 | 1.48E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 1.53E-12 | 1.55E-02 | 4.67E-08 | 4.67E-08 | 6.31E-09 | 1.34E-08 | 1.70E-09 | 5.26E-06 | 4.55E-15 | 1.76E-14 | 2.23E-05 |
| SKELETON BONE | G | 3.95E-08 | 2.33E-08 | 6.51E-06 | 6.51E-06 | 4.03E-06 | 5.23E-06 | 3.65E-07 | 5.87E-08 | 6.64E-10 | 7.83E-09 | 1.23E-06 |
| | B | 0.0 | 0.0 | 2.96E-04 | 2.82E-04 | 9.32E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 3.95E-08 | 2.33E-08 | 3.03E-04 | 2.89E-04 | 1.34E-05 | 5.23E-06 | 3.65E-07 | 5.87E-08 | 6.64E-10 | 7.83E-09 | 2.24E-05 |
| R MARROW | G | 1.66E-07 | 4.48E-08 | 6.13E-06 | 6.13E-06 | 1.84E-05 | 5.47E-06 | 3.30E-07 | 6.01E-08 | 3.92E-10 | 8.69E-09 | 1.31E-06 |
| | B | 0.0 | 0.0 | 3.65E-07 | 4.66E-05 | 9.55E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 1.66E-07 | 4.48E-08 | 6.50E-06 | 5.27E-05 | 9.74E-04 | 5.47E-06 | 3.30E-07 | 6.01E-08 | 3.92E-10 | 8.69E-09 | 2.25E-05 |
| Y MARROW | G | 5.54E-08 | 2.07E-08 | 6.17E-06 | 6.17E-06 | 6.03E-06 | 1.23E-05 | 4.51E-07 | 8.17E-08 | 1.35E-10 | 4.60E-09 | 1.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.87E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 5.54E-08 | 2.07E-08 | 6.17E-06 | 6.17E-06 | 6.03E-06 | 1.00E-03 | 4.51E-07 | 8.17E-08 | 1.35E-10 | 4.60E-09 | 2.24E-05 |
| T E CL | G | 3.95E-08 | 2.33E-08 | 6.21E-06 | 6.21E-06 | 7.13E-06 | 7.01E-06 | 3.65E-07 | 5.87E-08 | 6.64E-10 | 7.83E-09 | 1.24E-06 |
| | B | 0.0 | 0.0 | 7.75E-05 | 1.62E-04 | 3.86E-04 | 2.47E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 3.95E-08 | 2.33E-08 | 8.37E-05 | 1.68E-04 | 3.93E-04 | 2.54E-04 | 3.65E-07 | 5.87E-08 | 6.64E-10 | 7.83E-09 | 2.24E-05 |
| SKIN | G | 5.06E-10 | 8.80E-10 | 1.01E-07 | 1.01E-07 | 8.65E-08 | 1.36E-07 | 7.23E-06 | 8.92E-09 | 8.08E-07 | 1.21E-07 | 6.53E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.70E-04 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 5.06E-10 | 8.80E-10 | 1.01E-07 | 1.01E-07 | 8.65E-08 | 1.36E-07 | 5.77E-04 | 8.92E-09 | 8.08E-07 | 1.21E-07 | 2.18E-05 |
| SPLEEN | G | 2.96E-12 | 5.48E-06 | 7.79E-08 | 7.79E-08 | 1.87E-08 | 2.36E-08 | 1.99E-08 | 3.20E-04 | 3.83E-15 | 2.04E-14 | 9.40E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.23E-03 | 0.0 | 0.0 | 2.12E-05 |
| | T | 2.96E-12 | 5.48E-06 | 7.79E-08 | 7.79E-08 | 1.87E-08 | 2.36E-08 | 1.99E-08 | 8.55E-03 | 3.83E-15 | 2.04E-14 | 2.21E-05 |
| TESTES | G | 3.10E-47 | 4.56E-15 | 6.09E-10 | 6.09E-10 | 3.02E-10 | 8.24E-10 | 4.84E-07 | 3.81E-15 | 1.24E-03 | 2.49E-18 | 8.56E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-02 | 0.0 | 2.12E-05 |
| | T | 3.10E-47 | 4.56E-15 | 6.09E-10 | 6.09E-10 | 3.02E-10 | 8.24E-10 | 4.84E-07 | 3.81E-15 | 4.36E-02 | 2.49E-18 | 2.20E-05 |
| THYMUS | G | 1.32E-15 | 1.15E-12 | 3.40E-08 | 3.40E-08 | 1.80E-08 | 2.00E-08 | 1.61E-08 | 2.30E-13 | 3.26E-17 | 7.02E-09 | 1.45E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 1.32E-15 | 1.15E-12 | 3.40E-08 | 3.40E-08 | 1.80E-08 | 2.00E-08 | 1.61E-08 | 2.30E-13 | 3.26E-17 | 7.02E-09 | 2.26E-05 |
| THYROID | G | 9.06E-17 | 1.76E-14 | 1.58E-08 | 1.58E-08 | 1.27E-08 | 1.27E-08 | 1.49E-07 | 1.08E-14 | 2.50E-18 | 1.94E-03 | 1.04E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.41E-02 | 2.12E-05 |
| | T | 9.06E-17 | 1.76E-14 | 1.58E-08 | 1.58E-08 | 1.27E-08 | 1.27E-08 | 1.49E-07 | 1.08E-14 | 2.50E-18 | 7.60E-02 | 2.22E-05 |
| UTERUS | G | 1.51E-06 | 1.42E-12 | 1.36E-09 | 1.36E-09 | 5.42E-09 | 1.64E-09 | 6.18E-09 | 6.51E-13 | 3.10E-47 | 7.98E-17 | 1.04E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-05 |
| | T | 1.51E-06 | 1.42E-12 | 1.36E-09 | 1.36E-09 | 5.42E-09 | 1.64E-09 | 6.18E-09 | 6.51E-13 | 3.10E-47 | 7.98E-17 | 2.22E-05 |
| T BODY | G | 1.06E-06 | 1.06E-06 | 1.04E-06 | 1.04E-06 | 1.05E-06 | 1.04E-06 | 6.54E-07 | 1.06E-06 | 9.93E-07 | 1.03E-06 | 1.01E-06 |
| | B | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 | 2.12E-05 |
| | T | 2.22E-05 | 2.22E-05 | 2.22E-05 | 2.22E-05 | 2.22E-05 | 2.22E-05 | 2.18E-05 | 2.22E-05 | 2.22E-05 | 2.22E-05 | 2.22E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH. ED.
DATE DECAY DATA REVIEWED-OCTOBER 1968

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 43-TECHNETIUM-96M (TR=5.150E 01 MIN)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.14E-02 | 1.50E-06 | 1.44E-05 | 7.16E-06 | 6.96E-06 | 2.98E-06 | 9.78E-05 | 3.22E-05 | 1.46E-05 | 1.46E-05 | 1.32E-05 |
| | B | 9.88E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.10E-01 | 1.50E-06 | 1.44E-05 | 7.16E-06 | 6.96E-06 | 2.98E-06 | 9.78E-05 | 3.22E-05 | 1.46E-05 | 1.46E-05 | 1.32E-05 |
| BLAD WALL | G | 1.31E-06 | 9.29E-04 | 2.90E-06 | 1.62E-05 | 1.18E-05 | 3.40E-05 | 2.70E-06 | 1.46E-06 | 5.39E-07 | 5.39E-07 | 1.21E-05 |
| | B | 0.0 | 3.46E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.31E-06 | 4.39E-03 | 2.90E-06 | 1.62E-05 | 1.18E-05 | 3.40E-05 | 2.70E-06 | 1.46E-06 | 5.39E-07 | 5.39E-07 | 1.21E-05 |
| GI TRACT S WALL | G | 1.74E-05 | 2.80E-06 | 6.10E-04 | 2.29E-05 | 2.41E-05 | 9.83E-06 | 1.93E-05 | 1.18E-05 | 1.24E-05 | 1.24E-05 | 9.54E-06 |
| | B | 0.0 | 0.0 | 2.77E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.74E-05 | 2.80E-06 | 3.38E-03 | 2.29E-05 | 2.41E-05 | 9.83E-06 | 1.93E-05 | 1.18E-05 | 1.24E-05 | 1.24E-05 | 9.54E-06 |
| SI+CONT | G | 5.85E-06 | 1.59E-05 | 1.54E-05 | 3.90E-04 | 1.29E-04 | 7.09E-05 | 1.68E-05 | 9.71E-06 | 1.88E-06 | 1.88E-06 | 1.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.73E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.85E-06 | 1.59E-05 | 1.54E-05 | 2.12E-03 | 1.29E-04 | 7.09E-05 | 1.68E-05 | 9.71E-06 | 1.88E-06 | 1.88E-06 | 1.05E-05 |
| ULI WALL | G | 6.46E-06 | 1.23E-05 | 2.06E-05 | 2.80E-04 | 5.56E-04 | 3.45E-05 | 1.72E-05 | 1.47E-05 | 2.49E-06 | 2.49E-06 | 1.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.14E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.46E-06 | 1.23E-05 | 2.06E-05 | 2.80E-04 | 3.70E-03 | 3.45E-05 | 1.72E-05 | 1.47E-05 | 2.49E-06 | 2.49E-06 | 1.18E-05 |
| LLI WALL | G | 1.83E-06 | 4.21E-05 | 8.20E-06 | 6.28E-05 | 2.20E-05 | 7.12E-04 | 5.43E-06 | 1.85E-06 | 5.20E-07 | 5.20E-07 | 1.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.12E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.83E-06 | 4.21E-05 | 8.20E-06 | 6.28E-05 | 2.20E-05 | 5.83E-03 | 5.43E-06 | 1.85E-06 | 5.20E-07 | 5.20E-07 | 1.12E-05 |
| KIDNEYS | G | 8.85E-05 | 2.37E-06 | 1.95E-05 | 1.87E-05 | 1.68E-05 | 5.44E-06 | 1.25E-03 | 2.32E-05 | 6.18E-06 | 6.18E-06 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.46E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.85E-05 | 2.37E-06 | 1.95E-05 | 1.87E-05 | 1.68E-05 | 5.44E-06 | 5.71E-03 | 2.32E-05 | 6.18E-06 | 6.18E-06 | 1.09E-05 |
| LIVER | G | 3.18E-05 | 1.80E-06 | 1.19E-05 | 1.14E-05 | 1.53E-05 | 2.36E-06 | 2.41E-05 | 3.15E-04 | 1.62E-05 | 1.62E-05 | 7.82E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.68E-04 | 0.0 | 0.0 | 0.0 |
| | T | 3.18E-05 | 1.80E-06 | 1.19E-05 | 1.14E-05 | 1.53E-05 | 2.36E-06 | 2.41E-05 | 1.08E-03 | 1.62E-05 | 1.62E-05 | 7.82E-06 |
| LUNGS | G | 1.49E-05 | 4.60E-07 | 1.14E-05 | 2.08E-06 | 2.41E-06 | 8.93E-07 | 5.89E-06 | 1.72E-05 | 2.79E-04 | 2.79E-04 | 1.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-03 | 1.38E-03 | 0.0 |
| | T | 1.49E-05 | 4.60E-07 | 1.14E-05 | 2.08E-06 | 2.41E-06 | 8.93E-07 | 5.89E-06 | 1.72E-05 | 1.66E-03 | 1.66E-03 | 1.10E-05 |
| RESP LYM NODE | G | 1.49E-05 | 4.60E-07 | 1.14E-05 | 2.08E-06 | 2.41E-06 | 8.93E-07 | 5.89E-06 | 1.72E-05 | 2.73E-04 | 2.79E-04 | 1.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.54E-04 | 9.22E-02 | 0.0 |
| | T | 1.49E-05 | 4.60E-07 | 1.14E-05 | 2.08E-06 | 2.41E-06 | 8.93E-07 | 5.89E-06 | 1.72E-05 | 1.13E-03 | 9.24E-02 | 1.10E-05 |
| MUSCLE* | G | 1.32E-05 | 1.21E-05 | 9.54E-06 | 1.05E-05 | 9.70E-06 | 1.12E-05 | 1.09E-05 | 7.82E-06 | 1.10E-05 | 1.10E-05 | 1.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.94E-05 |
| | T | 1.32E-05 | 1.21E-05 | 9.54E-06 | 1.05E-05 | 9.70E-06 | 1.12E-05 | 1.09E-05 | 7.82E-06 | 1.10E-05 | 1.10E-05 | 6.42E-05 |
| OVARIES | G | 2.81E-06 | 3.24E-05 | 6.81E-06 | 6.96E-05 | 6.80E-05 | 1.46E-04 | 8.57E-06 | 3.90E-06 | 1.02E-06 | 1.02E-06 | 1.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.81E-06 | 3.24E-05 | 6.81E-06 | 6.96E-05 | 6.80E-05 | 1.46E-04 | 8.57E-06 | 3.90E-06 | 1.02E-06 | 1.02E-06 | 1.57E-05 |

43-TECHNETIUM-96M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 5.29E-05 | 1.69E-06 | 1.18E-04 | 1.17E-05 | 1.19E-05 | 4.34E-06 | 4.10E-05 | 2.67E-05 | 1.45E-05 | 1.45E-05 | 1.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.29E-05 | 1.69E-06 | 1.18E-04 | 1.17E-05 | 1.19E-05 | 4.34E-06 | 4.10E-05 | 2.67E-05 | 1.45E-05 | 1.45E-05 | 1.39E-05 |
| SKELETON BONE | G | 9.39E-06 | 3.34E-06 | 3.67E-06 | 5.17E-06 | 4.53E-06 | 7.64E-06 | 6.36E-06 | 4.88E-06 | 6.83E-06 | 6.83E-06 | 7.21E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.39E-06 | 3.34E-06 | 3.67E-06 | 5.17E-06 | 4.53E-06 | 7.64E-06 | 6.36E-06 | 4.88E-06 | 6.83E-06 | 6.83E-06 | 7.21E-06 |
| R MARROW | G | 1.62E-05 | 7.02E-06 | 6.09E-06 | 1.66E-05 | 1.37E-05 | 2.46E-05 | 1.60E-05 | 6.68E-06 | 8.49E-06 | 8.49E-06 | 1.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.62E-05 | 7.02E-06 | 6.09E-06 | 1.66E-05 | 1.37E-05 | 2.46E-05 | 1.60E-05 | 6.68E-06 | 8.49E-06 | 8.49E-06 | 1.06E-05 |
| Y MARROW | G | 9.08E-06 | 3.09E-06 | 5.11E-06 | 7.11E-06 | 6.41E-06 | 9.68E-06 | 7.85E-06 | 7.28E-06 | 7.38E-06 | 7.38E-06 | 8.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.08E-06 | 3.09E-06 | 5.11E-06 | 7.11E-06 | 6.41E-06 | 9.68E-06 | 7.85E-06 | 7.28E-06 | 7.38E-06 | 7.38E-06 | 8.88E-06 |
| T E CL | G | 9.39E-06 | 3.34E-06 | 3.67E-06 | 5.17E-06 | 4.53E-06 | 7.64E-06 | 6.36E-06 | 4.88E-06 | 6.83E-06 | 6.83E-06 | 7.21E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.39E-06 | 3.34E-06 | 3.67E-06 | 5.17E-06 | 4.53E-06 | 7.64E-06 | 6.36E-06 | 4.88E-06 | 6.83E-06 | 6.83E-06 | 7.21E-06 |
| SKIN | G | 4.59E-06 | 4.27E-06 | 3.80E-06 | 3.50E-06 | 3.43E-06 | 3.91E-06 | 4.38E-06 | 3.89E-06 | 4.35E-06 | 4.35E-06 | 7.94E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.59E-06 | 4.27E-06 | 3.80E-06 | 3.50E-06 | 3.43E-06 | 3.91E-06 | 4.38E-06 | 3.89E-06 | 4.35E-06 | 4.35E-06 | 7.94E-06 |
| SPLEEN | G | 3.80E-05 | 1.44E-06 | 5.84E-05 | 9.44E-06 | 8.16E-06 | 6.12E-06 | 5.92E-05 | 6.44E-06 | 1.38E-05 | 1.38E-05 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.80E-05 | 1.44E-06 | 5.84E-05 | 9.44E-06 | 8.16E-06 | 6.12E-06 | 5.92E-05 | 6.44E-06 | 1.38E-05 | 1.38E-05 | 1.09E-05 |
| TESTES | G | 5.26E-07 | 2.88E-05 | 7.93E-07 | 3.01E-06 | 3.19E-06 | 1.00E-05 | 1.02E-06 | 1.21E-06 | 2.08E-07 | 2.08E-07 | 8.23E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.26E-07 | 2.88E-05 | 7.93E-07 | 3.01E-06 | 3.19E-06 | 1.00E-05 | 1.02E-06 | 1.21E-06 | 2.08E-07 | 2.08E-07 | 8.23E-06 |
| THYMUS | G | 4.30E-06 | 2.64E-07 | 3.93E-06 | 9.50E-07 | 1.03E-06 | 4.37E-07 | 1.35E-06 | 5.54E-06 | 2.52E-05 | 2.52E-05 | 1.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.30E-06 | 2.64E-07 | 3.93E-06 | 9.50E-07 | 1.03E-06 | 4.37E-07 | 1.35E-06 | 5.54E-06 | 2.52E-05 | 2.52E-05 | 1.88E-05 |
| THYROID | G | 1.34E-06 | 9.60E-08 | 1.03E-06 | 3.19E-07 | 3.38E-07 | 1.60E-07 | 6.78E-07 | 1.21E-06 | 7.56E-06 | 7.56E-06 | 1.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-06 | 9.60E-08 | 1.03E-06 | 3.19E-07 | 3.38E-07 | 1.60E-07 | 6.78E-07 | 1.21E-06 | 7.56E-06 | 7.56E-06 | 1.21E-05 |
| UTERUS | G | 2.85E-06 | 9.67E-05 | 5.78E-06 | 5.51E-05 | 2.82E-05 | 3.38E-05 | 5.37E-06 | 2.70E-06 | 8.68E-07 | 8.68E-07 | 2.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.85E-06 | 9.67E-05 | 5.78E-06 | 5.51E-05 | 2.82E-05 | 3.38E-05 | 5.37E-06 | 2.70E-06 | 8.68E-07 | 8.68E-07 | 2.02E-05 |
| T BODY | G | 1.52E-05 | 1.62E-05 | 1.57E-05 | 1.67E-05 | 1.65E-05 | 1.54E-05 | 1.52E-05 | 1.53E-05 | 1.37E-05 | 1.37E-05 | 1.33E-05 |
| | B | 1.98E-05 | 2.22E-06 | 5.93E-06 | 1.58E-05 | 9.43E-06 | 1.17E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 |
| | T | 3.49E-05 | 1.84E-05 | 2.16E-05 | 3.25E-05 | 2.59E-05 | 2.81E-05 | 3.50E-05 | 3.50E-05 | 3.35E-05 | 3.35E-05 | 3.31E-05 |

CONTINUED NEXT PAGE

43-TECHNETIUM-96M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.44E-06 | 4.50E-05 | 1.23E-05 | 1.23E-05 | 1.68E-05 | 5.29E-06 | 5.18E-06 | 4.25E-05 | 5.26E-07 | 1.31E-06 | 1.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 3.44E-06 | 4.50E-05 | 1.23E-05 | 1.23E-05 | 1.68E-05 | 5.29E-06 | 5.18E-06 | 4.25E-05 | 5.26E-07 | 1.31E-06 | 3.67E-05 |
| BLAD WALL | G | 4.16E-05 | 1.08E-06 | 3.35E-06 | 3.35E-06 | 6.14E-06 | 1.96E-06 | 4.71E-06 | 1.74E-06 | 3.10E-05 | 9.65E-08 | 1.79E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 4.16E-05 | 1.08E-06 | 3.35E-06 | 3.35E-06 | 6.14E-06 | 1.96E-06 | 4.71E-06 | 1.74E-06 | 3.10E-05 | 9.65E-08 | 3.77E-05 |
| GI TRACT S WALL | G | 4.96E-06 | 1.31E-04 | 3.48E-06 | 3.48E-06 | 6.88E-06 | 4.69E-06 | 4.18E-06 | 5.99E-05 | 6.04E-07 | 8.86E-07 | 1.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 4.96E-06 | 1.31E-04 | 3.48E-06 | 3.48E-06 | 6.88E-06 | 4.69E-06 | 4.18E-06 | 5.99E-05 | 6.04E-07 | 8.86E-07 | 3.49E-05 |
| SI+CONT | G | 8.42E-05 | 1.07E-05 | 5.06E-06 | 5.06E-06 | 1.61E-05 | 6.39E-06 | 3.61E-06 | 8.45E-06 | 3.26E-06 | 2.10E-07 | 1.67E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 8.42E-05 | 1.07E-05 | 5.06E-06 | 5.06E-06 | 1.61E-05 | 6.39E-06 | 3.61E-06 | 8.45E-06 | 3.26E-06 | 2.10E-07 | 3.65E-05 |
| ULI WALL | G | 9.76E-05 | 1.30E-05 | 4.74E-06 | 4.74E-06 | 1.22E-05 | 5.53E-06 | 3.88E-06 | 8.46E-06 | 2.30E-06 | 2.41E-07 | 1.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 9.76E-05 | 1.30E-05 | 4.74E-06 | 4.74E-06 | 1.22E-05 | 5.53E-06 | 3.88E-06 | 8.46E-06 | 2.30E-06 | 2.41E-07 | 3.59E-05 |
| LLI WALL | G | 1.26E-04 | 3.51E-06 | 6.72E-06 | 6.72E-06 | 1.96E-05 | 5.51E-06 | 3.92E-06 | 3.93E-06 | 1.49E-05 | 1.38E-07 | 1.65E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 1.26E-04 | 3.51E-06 | 6.72E-06 | 6.72E-06 | 1.96E-05 | 5.51E-06 | 3.92E-06 | 3.93E-06 | 1.49E-05 | 1.38E-07 | 3.63E-05 |
| KIDNEYS | G | 6.63E-06 | 3.67E-05 | 6.76E-06 | 6.76E-06 | 1.47E-05 | 7.39E-06 | 4.97E-06 | 5.92E-05 | 8.58E-07 | 6.83E-07 | 1.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 6.63E-06 | 3.67E-05 | 6.76E-06 | 6.76E-06 | 1.47E-05 | 7.39E-06 | 4.97E-06 | 5.92E-05 | 8.58E-07 | 6.83E-07 | 3.51E-05 |
| LIVER | G | 3.90E-06 | 2.48E-05 | 4.49E-06 | 4.49E-06 | 6.25E-06 | 6.91E-06 | 4.24E-06 | 6.46E-06 | 5.78E-07 | 1.16E-06 | 1.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 3.90E-06 | 2.48E-05 | 4.49E-06 | 4.49E-06 | 6.25E-06 | 6.91E-06 | 4.24E-06 | 6.46E-06 | 5.78E-07 | 1.16E-06 | 3.54E-05 |
| LUNGS | G | 9.08E-07 | 1.40E-05 | 6.23E-06 | 6.23E-06 | 7.68E-06 | 6.53E-06 | 4.48E-06 | 1.40E-05 | 1.76E-07 | 6.72E-06 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 9.08E-07 | 1.40E-05 | 6.23E-06 | 6.23E-06 | 7.68E-06 | 6.53E-06 | 4.48E-06 | 1.40E-05 | 1.76E-07 | 6.72E-06 | 3.34E-05 |
| RESP LYM NODE | G | 9.08E-07 | 1.40E-05 | 6.23E-06 | 6.23E-06 | 7.68E-06 | 6.53E-06 | 4.48E-06 | 1.40E-05 | 1.76E-07 | 6.72E-06 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 9.08E-07 | 1.40E-05 | 6.23E-06 | 6.23E-06 | 7.68E-06 | 6.53E-06 | 4.48E-06 | 1.40E-05 | 1.76E-07 | 6.72E-06 | 3.34E-05 |
| MUSCLE* | G | 1.57E-05 | 1.39E-05 | 7.21E-06 | 7.21E-06 | 8.52E-06 | 6.93E-06 | 7.94E-06 | 1.09E-05 | 8.23E-06 | 1.21E-05 | 1.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 1.57E-05 | 1.39E-05 | 7.21E-06 | 7.21E-06 | 8.52E-06 | 6.93E-06 | 7.94E-06 | 1.09E-05 | 8.23E-06 | 1.21E-05 | 3.31E-05 |
| OVARIES | G | 1.97E-02 | 4.84E-06 | 6.14E-06 | 6.14E-06 | 1.92E-05 | 5.75E-06 | 3.17E-06 | 4.25E-06 | 6.64E-47 | 1.64E-07 | 1.55E-05 |
| | B | 1.26E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 1.45E-01 | 4.84E-06 | 6.14E-06 | 6.14E-06 | 1.92E-05 | 5.75E-06 | 3.17E-06 | 4.25E-06 | 6.64E-47 | 1.64E-07 | 3.53E-05 |

43-TECHNETIUM-96M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.64E-06 | 4.30E-03 | 6.28E-06 | 6.28E-06 | 7.94E-06 | 6.70E-06 | 3.21E-06 | 1.45E-04 | 5.66E-07 | 7.96E-07 | 1.57E-05 |
| | B | 0.0 | 1.38E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 4.64E-06 | 1.81E-02 | 6.28E-06 | 6.28E-06 | 7.94E-06 | 6.70E-06 | 3.21E-06 | 1.45E-04 | 5.66E-07 | 7.96E-07 | 3.55E-05 |
| SKELETON BONE | G | 5.71E-06 | 5.55E-06 | 5.18E-05 | 5.18E-05 | 3.35E-05 | 4.11E-05 | 7.32E-06 | 5.04E-06 | 3.93E-06 | 4.52E-06 | 1.51E-05 |
| | B | 0.0 | 0.0 | 2.77E-04 | 2.64E-04 | 8.04E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 5.71E-06 | 5.55E-06 | 3.28E-04 | 3.16E-04 | 4.15E-05 | 4.11E-05 | 7.32E-06 | 5.04E-06 | 3.93E-06 | 4.52E-06 | 3.48E-05 |
| R MARROW | G | 1.90E-05 | 1.04E-05 | 4.89E-05 | 4.89E-05 | 1.28E-04 | 4.26E-05 | 6.76E-06 | 7.14E-06 | 3.08E-06 | 4.91E-06 | 1.64E-05 |
| | B | 0.0 | 0.0 | 3.27E-07 | 4.02E-05 | 8.94E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 1.90E-05 | 1.04E-05 | 4.92E-05 | 8.90E-05 | 1.02E-03 | 4.26E-05 | 6.76E-06 | 7.14E-06 | 3.08E-06 | 4.91E-06 | 3.61E-05 |
| Y MARROW | G | 7.59E-06 | 6.47E-06 | 4.82E-05 | 4.82E-05 | 4.64E-05 | 8.00E-05 | 8.16E-06 | 7.46E-06 | 1.72E-06 | 2.45E-06 | 1.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.22E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 7.59E-06 | 6.47E-06 | 4.82E-05 | 4.82E-05 | 4.64E-05 | 1.00E-03 | 8.16E-06 | 7.46E-06 | 1.72E-06 | 2.45E-06 | 3.45E-05 |
| T E CL | G | 5.71E-06 | 5.55E-06 | 5.13E-05 | 5.13E-05 | 5.02E-05 | 4.82E-05 | 7.32E-06 | 5.04E-06 | 3.93E-06 | 4.52E-06 | 1.51E-05 |
| | B | 0.0 | 0.0 | 6.64E-05 | 1.39E-04 | 3.68E-04 | 2.30E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 5.71E-06 | 5.55E-06 | 1.18E-04 | 1.90E-04 | 4.18E-04 | 2.79E-04 | 7.32E-06 | 5.04E-06 | 3.93E-06 | 4.52E-06 | 3.49E-05 |
| SKIN | G | 3.36E-06 | 3.33E-06 | 5.86E-06 | 5.86E-06 | 5.07E-06 | 6.59E-06 | 3.96E-05 | 3.98E-06 | 1.44E-05 | 6.41E-06 | 8.67E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.32E-04 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 3.36E-06 | 3.33E-06 | 5.86E-06 | 5.86E-06 | 5.07E-06 | 6.59E-06 | 5.71E-04 | 3.98E-06 | 1.44E-05 | 6.41E-06 | 2.84E-05 |
| SPLEEN | G | 3.75E-06 | 1.46E-04 | 5.46E-06 | 5.46E-06 | 5.96E-06 | 6.80E-06 | 4.49E-06 | 2.19E-03 | 5.15E-07 | 1.13E-06 | 1.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.68E-03 | 0.0 | 0.0 | 1.98E-05 |
| | T | 3.75E-06 | 1.46E-04 | 5.46E-06 | 5.46E-06 | 5.96E-06 | 6.80E-06 | 4.49E-06 | 9.87E-03 | 5.15E-07 | 1.13E-06 | 3.48E-05 |
| TESTES | G | 6.64E-47 | 6.74E-07 | 3.98E-06 | 3.98E-06 | 2.35E-06 | 5.56E-06 | 8.31E-06 | 6.82E-07 | 7.34E-03 | 4.14E-08 | 1.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.95E-02 | 0.0 | 1.98E-05 |
| | T | 6.64E-47 | 6.74E-07 | 3.98E-06 | 3.98E-06 | 2.35E-06 | 5.56E-06 | 8.31E-06 | 6.82E-07 | 4.68E-02 | 4.14E-08 | 3.40E-05 |
| THYMUS | G | 4.62E-07 | 3.36E-06 | 4.76E-06 | 4.76E-06 | 4.23E-06 | 3.07E-06 | 4.67E-06 | 3.32E-06 | 1.09E-07 | 2.42E-05 | 1.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 4.62E-07 | 3.36E-06 | 4.76E-06 | 4.76E-06 | 4.23E-06 | 3.07E-06 | 4.67E-06 | 3.32E-06 | 1.09E-07 | 2.42E-05 | 3.58E-05 |
| THYROID | G | 1.64E-07 | 6.54E-07 | 4.88E-06 | 4.88E-06 | 5.46E-06 | 3.31E-06 | 5.42E-06 | 1.00E-06 | 4.14E-08 | 1.08E-02 | 1.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.91E-02 | 1.98E-05 |
| | T | 1.64E-07 | 6.54E-07 | 4.88E-06 | 4.88E-06 | 5.46E-06 | 3.31E-06 | 5.42E-06 | 1.00E-06 | 4.14E-08 | 7.99E-02 | 3.41E-05 |
| UTERUS | G | 1.13E-04 | 3.67E-06 | 4.75E-06 | 4.75E-06 | 1.03E-05 | 3.81E-06 | 4.23E-06 | 3.07E-06 | 6.64E-47 | 1.56E-07 | 1.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-05 |
| | T | 1.13E-04 | 3.67E-06 | 4.75E-06 | 4.75E-06 | 1.03E-05 | 3.81E-06 | 4.23E-06 | 3.07E-06 | 6.64E-47 | 1.56E-07 | 3.75E-05 |
| T BODY | G | 1.70E-05 | 1.67E-05 | 1.37E-05 | 1.37E-05 | 1.46E-05 | 1.27E-05 | 8.68E-06 | 1.52E-05 | 1.33E-05 | 1.28E-05 | 1.35E-05 |
| | B | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 | 1.98E-05 |
| | T | 3.67E-05 | 3.65E-05 | 3.35E-05 | 3.35E-05 | 3.44E-05 | 3.25E-05 | 2.84E-05 | 3.50E-05 | 3.31E-05 | 3.26E-05 | 3.33E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-CESAREO, R. ET AL., Z FUR PHYSIK 205, 174 (1967)
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 43-TECHNETIUM-96 (TR=1.030E 02 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.12E-01 | 1.05E-04 | 9.22E-04 | 5.13E-04 | 5.00E-04 | 2.12E-04 | 5.28E-03 | 2.06E-03 | 1.02E-03 | 1.02E-03 | 6.58E-04 |
| | B | 3.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.44E-01 | 1.05E-04 | 9.22E-04 | 5.13E-04 | 5.00E-04 | 2.12E-04 | 5.28E-03 | 2.06E-03 | 1.02E-03 | 1.02E-03 | 6.58E-04 |
| BLAD WALL | G | 8.85E-05 | 3.08E-02 | 2.08E-04 | 1.10E-03 | 8.76E-04 | 2.23E-03 | 1.91E-04 | 1.03E-04 | 3.72E-05 | 3.72E-05 | 7.52E-04 |
| | B | 0.0 | 1.12E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.85E-05 | 3.19E-02 | 2.08E-04 | 1.10E-03 | 8.76E-04 | 2.23E-03 | 1.91E-04 | 1.03E-04 | 3.72E-05 | 3.72E-05 | 7.52E-04 |
| GI TRACT S WALL | G | 1.26E-03 | 2.03E-04 | 2.22E-02 | 1.47E-03 | 1.52E-03 | 6.94E-04 | 1.40E-03 | 8.27E-04 | 8.12E-04 | 8.12E-04 | 6.01E-04 |
| | B | 0.0 | 0.0 | 8.94E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.26E-03 | 2.03E-04 | 2.31E-02 | 1.47E-03 | 1.52E-03 | 6.94E-04 | 1.40E-03 | 8.27E-04 | 8.12E-04 | 8.12E-04 | 6.01E-04 |
| SI+CONT | G | 4.08E-04 | 1.14E-03 | 1.08E-03 | 1.31E-02 | 6.76E-03 | 3.77E-03 | 1.17E-03 | 6.74E-04 | 1.33E-04 | 1.33E-04 | 6.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 5.59E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.08E-04 | 1.14E-03 | 1.08E-03 | 1.37E-02 | 6.76E-03 | 3.77E-03 | 1.17E-03 | 6.74E-04 | 1.33E-04 | 1.33E-04 | 6.57E-04 |
| ULI WALL | G | 4.73E-04 | 8.82E-04 | 1.32E-03 | 9.76E-03 | 1.86E-02 | 1.71E-03 | 1.21E-03 | 1.04E-03 | 1.74E-04 | 1.74E-04 | 6.96E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.73E-04 | 8.82E-04 | 1.32E-03 | 9.76E-03 | 1.97E-02 | 1.71E-03 | 1.21E-03 | 1.04E-03 | 1.74E-04 | 1.74E-04 | 6.96E-04 |
| LLI WALL | G | 1.23E-04 | 2.84E-03 | 5.73E-04 | 2.89E-03 | 1.36E-03 | 2.21E-02 | 3.74E-04 | 1.25E-04 | 3.86E-05 | 3.86E-05 | 7.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.23E-04 | 2.84E-03 | 5.73E-04 | 2.89E-03 | 1.36E-03 | 2.37E-02 | 3.74E-04 | 1.25E-04 | 3.86E-05 | 3.86E-05 | 7.19E-04 |
| KIDNEYS | G | 4.78E-03 | 1.58E-04 | 1.39E-03 | 1.34E-03 | 1.20E-03 | 3.84E-04 | 3.16E-02 | 1.57E-03 | 4.30E-04 | 4.30E-04 | 6.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.78E-03 | 1.58E-04 | 1.39E-03 | 1.34E-03 | 1.20E-03 | 3.84E-04 | 3.30E-02 | 1.57E-03 | 4.30E-04 | 4.30E-04 | 6.16E-04 |
| LIVER | G | 2.01E-03 | 1.28E-04 | 8.43E-04 | 7.86E-04 | 1.05E-03 | 1.62E-04 | 1.64E-03 | 1.10E-02 | 1.01E-03 | 1.01E-03 | 4.81E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.48E-04 | 0.0 | 0.0 | 0.0 |
| | T | 2.01E-03 | 1.28E-04 | 8.43E-04 | 7.86E-04 | 1.05E-03 | 1.62E-04 | 1.64E-03 | 1.12E-02 | 1.01E-03 | 1.01E-03 | 4.81E-04 |
| LUNGS | G | 1.00E-03 | 3.10E-05 | 7.64E-04 | 1.49E-04 | 1.68E-04 | 6.14E-05 | 4.21E-04 | 1.03E-03 | 6.37E-03 | 6.37E-03 | 5.70E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.47E-04 | 4.47E-04 | 0.0 |
| | T | 1.00E-03 | 3.10E-05 | 7.64E-04 | 1.49E-04 | 1.68E-04 | 6.14E-05 | 4.21E-04 | 1.03E-03 | 6.82E-03 | 6.82E-03 | 5.70E-04 |
| RESP LYM NODE | G | 1.00E-03 | 3.10E-05 | 7.64E-04 | 1.49E-04 | 1.68E-04 | 6.14E-05 | 4.21E-04 | 1.03E-03 | 6.36E-03 | 6.37E-03 | 5.70E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.58E-04 | 2.98E-02 | 0.0 |
| | T | 1.00E-03 | 3.10E-05 | 7.64E-04 | 1.49E-04 | 1.68E-04 | 6.14E-05 | 4.21E-04 | 1.03E-03 | 6.52E-03 | 3.62E-02 | 5.70E-04 |
| MUSCLE* | G | 6.58E-04 | 7.52E-04 | 6.01E-04 | 6.57E-04 | 6.29E-04 | 7.19E-04 | 6.16E-04 | 4.81E-04 | 5.70E-04 | 5.70E-04 | 6.58E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-05 |
| | T | 6.58E-04 | 7.52E-04 | 6.01E-04 | 6.57E-04 | 6.29E-04 | 7.19E-04 | 6.16E-04 | 4.81E-04 | 5.70E-04 | 5.70E-04 | 6.74E-04 |
| OVARIES | G | 2.32E-04 | 2.12E-03 | 4.95E-04 | 4.16E-03 | 3.90E-03 | 7.07E-03 | 6.26E-04 | 2.39E-04 | 7.14E-05 | 7.14E-05 | 8.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.32E-04 | 2.12E-03 | 4.95E-04 | 4.16E-03 | 3.90E-03 | 7.07E-03 | 6.26E-04 | 2.39E-04 | 7.14E-05 | 7.14E-05 | 8.45E-04 |

43-TECHNETIUM-96 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.64E-03 | 1.23E-04 | 7.08E-03 | 8.63E-04 | 8.44E-04 | 3.17E-04 | 2.87E-03 | 1.87E-03 | 1.02E-03 | 1.02E-03 | 7.58E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.64E-03 | 1.23E-04 | 7.08E-03 | 8.63E-04 | 8.44E-04 | 3.17E-04 | 2.87E-03 | 1.87E-03 | 1.02E-03 | 1.02E-03 | 7.58E-04 |
| SKELETON BONE | G | 5.76E-04 | 2.39E-04 | 2.51E-04 | 3.32E-04 | 2.96E-04 | 4.33E-04 | 4.11E-04 | 3.06E-04 | 4.20E-04 | 4.20E-04 | 4.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.76E-04 | 2.39E-04 | 2.51E-04 | 3.32E-04 | 2.96E-04 | 4.33E-04 | 4.11E-04 | 3.06E-04 | 4.20E-04 | 4.20E-04 | 4.77E-04 |
| R MARROW | G | 1.02E-03 | 5.04E-04 | 4.26E-04 | 1.03E-03 | 8.69E-04 | 1.29E-03 | 1.03E-03 | 4.35E-04 | 5.30E-04 | 5.30E-04 | 5.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.02E-03 | 5.04E-04 | 4.26E-04 | 1.03E-03 | 8.69E-04 | 1.29E-03 | 1.03E-03 | 4.35E-04 | 5.30E-04 | 5.30E-04 | 5.71E-04 |
| Y MARROW | G | 5.59E-04 | 2.21E-04 | 3.47E-04 | 4.58E-04 | 4.21E-04 | 5.33E-04 | 5.10E-04 | 4.53E-04 | 4.43E-04 | 4.43E-04 | 4.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.59E-04 | 2.21E-04 | 3.47E-04 | 4.58E-04 | 4.21E-04 | 5.33E-04 | 5.10E-04 | 4.53E-04 | 4.43E-04 | 4.43E-04 | 4.68E-04 |
| T E CL | G | 5.76E-04 | 2.39E-04 | 2.51E-04 | 3.32E-04 | 2.96E-04 | 4.33E-04 | 4.11E-04 | 3.06E-04 | 4.20E-04 | 4.20E-04 | 4.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.76E-04 | 2.39E-04 | 2.51E-04 | 3.32E-04 | 2.96E-04 | 4.33E-04 | 4.11E-04 | 3.06E-04 | 4.20E-04 | 4.20E-04 | 4.77E-04 |
| SKIN | G | 3.09E-04 | 2.96E-04 | 2.64E-04 | 2.43E-04 | 2.41E-04 | 2.62E-04 | 2.89E-04 | 2.66E-04 | 2.97E-04 | 2.97E-04 | 4.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.09E-04 | 2.96E-04 | 2.64E-04 | 2.43E-04 | 2.41E-04 | 2.62E-04 | 2.89E-04 | 2.66E-04 | 2.97E-04 | 2.97E-04 | 4.06E-04 |
| SPLEEN | G | 2.62E-03 | 1.06E-04 | 3.99E-03 | 6.64E-04 | 5.68E-04 | 4.40E-04 | 3.53E-03 | 4.70E-04 | 9.23E-04 | 9.23E-04 | 6.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.62E-03 | 1.06E-04 | 3.99E-03 | 6.64E-04 | 5.68E-04 | 4.40E-04 | 3.53E-03 | 4.70E-04 | 9.23E-04 | 9.23E-04 | 6.29E-04 |
| TESTES | G | 3.61E-05 | 2.08E-03 | 5.14E-05 | 2.05E-04 | 2.37E-04 | 7.25E-04 | 7.12E-05 | 8.95E-05 | 1.39E-05 | 1.39E-05 | 5.32E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.61E-05 | 2.08E-03 | 5.14E-05 | 2.05E-04 | 2.37E-04 | 7.25E-04 | 7.12E-05 | 8.95E-05 | 1.39E-05 | 1.39E-05 | 5.32E-04 |
| THYMUS | G | 3.15E-04 | 1.78E-05 | 2.72E-04 | 6.63E-05 | 7.19E-05 | 3.00E-05 | 8.75E-05 | 4.18E-04 | 1.71E-03 | 1.71E-03 | 6.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.15E-04 | 1.78E-05 | 2.72E-04 | 6.63E-05 | 7.19E-05 | 3.00E-05 | 8.75E-05 | 4.18E-04 | 1.71E-03 | 1.71E-03 | 6.45E-04 |
| THYROID | G | 9.19E-05 | 6.23E-06 | 7.20E-05 | 2.16E-05 | 2.29E-05 | 1.06E-05 | 4.69E-05 | 8.51E-05 | 5.69E-04 | 5.69E-04 | 5.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.19E-05 | 6.23E-06 | 7.20E-05 | 2.16E-05 | 2.29E-05 | 1.06E-05 | 4.69E-05 | 8.51E-05 | 5.69E-04 | 5.69E-04 | 5.90E-04 |
| UTERUS | G | 2.03E-04 | 6.19E-03 | 4.06E-04 | 3.60E-03 | 1.96E-03 | 2.35E-03 | 3.62E-04 | 1.76E-04 | 4.97E-05 | 4.97E-05 | 1.04E-03 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.03E-04 | 6.19E-03 | 4.06E-04 | 3.60E-03 | 1.96E-03 | 2.35E-03 | 3.62E-04 | 1.76E-04 | 4.97E-05 | 4.97E-05 | 1.04E-03 |
| T BODY | G | 7.22E-04 | 7.94E-04 | 7.59E-04 | 8.32E-04 | 8.16E-04 | 8.08E-04 | 7.26E-04 | 7.28E-04 | 6.20E-04 | 6.20E-04 | 6.25E-04 |
| | B | 6.38E-06 | 7.18E-07 | 1.92E-06 | 5.11E-06 | 3.05E-06 | 3.78E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 |
| | T | 7.28E-04 | 7.95E-04 | 7.61E-04 | 8.37E-04 | 8.19E-04 | 8.12E-04 | 7.33E-04 | 7.34E-04 | 6.26E-04 | 6.26E-04 | 6.32E-04 |

CONTINUED NEXT PAGE

43-TECHNETIUM-96 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.48E-04 | 3.08E-03 | 7.79E-04 | 7.79E-04 | 1.10E-03 | 3.10E-04 | 3.35E-04 | 2.88E-03 | 3.61E-05 | 9.17E-05 | 8.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 2.48E-04 | 3.08E-03 | 7.79E-04 | 7.79E-04 | 1.10E-03 | 3.10E-04 | 3.35E-04 | 2.88E-03 | 3.61E-05 | 9.17E-05 | 8.54E-04 |
| BLAD WALL | G | 2.92E-03 | 6.55E-05 | 2.19E-04 | 2.19E-04 | 4.20E-04 | 1.29E-04 | 3.18E-04 | 1.24E-04 | 2.22E-03 | 6.26E-06 | 8.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 2.92E-03 | 6.55E-05 | 2.19E-04 | 2.19E-04 | 4.20E-04 | 1.29E-04 | 3.18E-04 | 1.24E-04 | 2.22E-03 | 6.26E-06 | 8.58E-04 |
| GI TRACT S WALL | G | 3.38E-04 | 7.15E-03 | 2.38E-04 | 2.38E-04 | 4.84E-04 | 3.25E-04 | 2.86E-04 | 3.97E-03 | 4.10E-05 | 5.87E-05 | 7.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 3.38E-04 | 7.15E-03 | 2.38E-04 | 2.38E-04 | 4.84E-04 | 3.25E-04 | 2.86E-04 | 3.97E-03 | 4.10E-05 | 5.87E-05 | 7.44E-04 |
| SI+CONT | G | 4.82E-03 | 7.62E-04 | 3.56E-04 | 3.56E-04 | 1.11E-03 | 4.40E-04 | 2.52E-04 | 5.95E-04 | 2.31E-04 | 1.27E-05 | 8.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 4.82E-03 | 7.62E-04 | 3.56E-04 | 3.56E-04 | 1.11E-03 | 4.40E-04 | 2.52E-04 | 5.95E-04 | 2.31E-04 | 1.27E-05 | 8.45E-04 |
| ULI WALL | G | 4.56E-03 | 9.30E-04 | 3.25E-04 | 3.25E-04 | 8.24E-04 | 3.68E-04 | 2.76E-04 | 5.97E-04 | 1.65E-04 | 1.44E-05 | 8.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 4.56E-03 | 9.30E-04 | 3.25E-04 | 3.25E-04 | 8.24E-04 | 3.68E-04 | 2.76E-04 | 5.97E-04 | 1.65E-04 | 1.44E-05 | 8.17E-04 |
| LLI WALL | G | 5.80E-03 | 2.38E-04 | 4.43E-04 | 4.43E-04 | 1.28E-03 | 3.49E-04 | 2.79E-04 | 2.80E-04 | 1.05E-03 | 9.10E-06 | 8.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 5.80E-03 | 2.38E-04 | 4.43E-04 | 4.43E-04 | 1.28E-03 | 3.49E-04 | 2.79E-04 | 2.80E-04 | 1.05E-03 | 9.10E-06 | 8.50E-04 |
| KIDNEYS | G | 4.77E-04 | 2.57E-03 | 4.73E-04 | 4.73E-04 | 1.01E-03 | 5.09E-04 | 3.32E-04 | 3.48E-03 | 5.81E-05 | 4.23E-05 | 7.70E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 4.77E-04 | 2.57E-03 | 4.73E-04 | 4.73E-04 | 1.01E-03 | 5.09E-04 | 3.32E-04 | 3.48E-03 | 5.81E-05 | 4.23E-05 | 7.76E-04 |
| LIVER | G | 2.75E-04 | 1.71E-03 | 3.10E-04 | 3.10E-04 | 4.31E-04 | 4.73E-04 | 2.92E-04 | 4.60E-04 | 3.81E-05 | 7.92E-05 | 7.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 2.75E-04 | 1.71E-03 | 3.10E-04 | 3.10E-04 | 4.31E-04 | 4.73E-04 | 2.92E-04 | 4.60E-04 | 3.81E-05 | 7.92E-05 | 7.74E-04 |
| LUNGS | G | 6.24E-05 | 9.86E-04 | 4.25E-04 | 4.25E-04 | 5.19E-04 | 4.37E-04 | 3.02E-04 | 9.11E-04 | 1.07E-05 | 4.82E-04 | 6.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 6.24E-05 | 9.86E-04 | 4.25E-04 | 4.25E-04 | 5.19E-04 | 4.37E-04 | 3.02E-04 | 9.11E-04 | 1.07E-05 | 4.82E-04 | 6.35E-04 |
| RESP LYM NODE | G | 6.24E-05 | 9.86E-04 | 4.25E-04 | 4.25E-04 | 5.19E-04 | 4.37E-04 | 3.02E-04 | 9.11E-04 | 1.07E-05 | 4.82E-04 | 6.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 6.24E-05 | 9.86E-04 | 4.25E-04 | 4.25E-04 | 5.19E-04 | 4.37E-04 | 3.02E-04 | 9.11E-04 | 1.07E-05 | 4.82E-04 | 6.35E-04 |
| MUSCLE* | G | 8.45E-04 | 7.58E-04 | 4.77E-04 | 4.77E-04 | 5.60E-04 | 4.42E-04 | 4.06E-04 | 6.29E-04 | 5.32E-04 | 5.90E-04 | 6.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 8.45E-04 | 7.58E-04 | 4.77E-04 | 4.77E-04 | 5.60E-04 | 4.42E-04 | 4.06E-04 | 6.29E-04 | 5.32E-04 | 5.90E-04 | 6.32E-04 |
| OVARIES | G | 3.46E-01 | 3.46E-04 | 4.29E-04 | 4.29E-04 | 1.27E-03 | 3.89E-04 | 2.21E-04 | 3.08E-04 | 6.36E-47 | 1.08E-05 | 6.28E-04 |
| | B | 4.06E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 3.87E-01 | 3.46E-04 | 4.29E-04 | 4.29E-04 | 1.27E-03 | 3.89E-04 | 2.21E-04 | 3.08E-04 | 6.36E-47 | 1.08E-05 | 6.35E-04 |

43-TECHNETIUM-96 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.46E-04 | 9.41E-02 | 4.15E-04 | 4.15E-04 | 5.72E-04 | 4.76E-04 | 2.26E-04 | 7.87E-03 | 3.61E-05 | 2.93E-05 | 7.17E-04 |
| | B | 0.0 | 4.47E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 3.46E-04 | 9.85E-02 | 4.15E-04 | 4.15E-04 | 5.72E-04 | 4.76E-04 | 2.26E-04 | 7.87E-03 | 3.61E-05 | 2.93E-05 | 7.24E-04 |
| SKELETON BONE | G | 3.83E-04 | 3.81E-04 | 1.51E-03 | 1.51E-03 | 1.00E-03 | 1.13E-03 | 3.71E-04 | 3.26E-04 | 2.81E-04 | 3.16E-04 | 6.32E-04 |
| | B | 0.0 | 0.0 | 8.94E-05 | 7.48E-05 | 9.72E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 3.83E-04 | 3.81E-04 | 1.60E-03 | 1.58E-03 | 1.01E-03 | 1.13E-03 | 3.71E-04 | 3.26E-04 | 2.81E-04 | 3.16E-04 | 6.38E-04 |
| R MARROW | G | 1.25E-03 | 7.13E-04 | 1.36E-03 | 1.36E-03 | 3.22E-03 | 1.16E-03 | 3.44E-04 | 4.78E-04 | 2.22E-04 | 3.43E-04 | 6.96E-04 |
| | B | 0.0 | 0.0 | 2.26E-06 | 4.86E-05 | 2.59E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 1.25E-03 | 7.13E-04 | 1.37E-03 | 1.41E-03 | 3.48E-03 | 1.16E-03 | 3.44E-04 | 4.78E-04 | 2.22E-04 | 3.43E-04 | 7.02E-04 |
| Y MARROW | G | 5.08E-04 | 4.48E-04 | 1.31E-03 | 1.31E-03 | 1.25E-03 | 1.92E-03 | 3.94E-04 | 4.86E-04 | 1.22E-04 | 1.70E-04 | 5.93E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.98E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 5.08E-04 | 4.48E-04 | 1.31E-03 | 1.31E-03 | 1.25E-03 | 2.22E-03 | 3.94E-04 | 4.86E-04 | 1.22E-04 | 1.70E-04 | 5.99E-04 |
| T E CL | G | 3.83E-04 | 3.81E-04 | 1.51E-03 | 1.51E-03 | 1.36E-03 | 1.25E-03 | 3.71E-04 | 3.26E-04 | 2.81E-04 | 3.16E-04 | 6.32E-04 |
| | B | 0.0 | 0.0 | 2.50E-05 | 4.01E-05 | 1.22E-04 | 7.45E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 3.83E-04 | 3.81E-04 | 1.53E-03 | 1.55E-03 | 1.48E-03 | 1.32E-03 | 3.71E-04 | 3.26E-04 | 2.81E-04 | 3.16E-04 | 6.38E-04 |
| SKIN | G | 2.39E-04 | 2.36E-04 | 3.74E-04 | 3.74E-04 | 3.25E-04 | 4.16E-04 | 9.35E-04 | 2.78E-04 | 6.82E-04 | 3.90E-04 | 4.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.72E-04 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 2.39E-04 | 2.36E-04 | 3.74E-04 | 3.74E-04 | 3.25E-04 | 4.16E-04 | 1.11E-03 | 2.78E-04 | 6.82E-04 | 3.90E-04 | 4.12E-04 |
| SPLEEN | G | 2.77E-04 | 7.81E-03 | 3.75E-04 | 3.75E-04 | 4.20E-04 | 4.62E-04 | 3.23E-04 | 5.67E-02 | 3.80E-05 | 7.95E-05 | 7.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.48E-03 | 0.0 | 0.0 | 6.38E-06 |
| | T | 2.77E-04 | 7.81E-03 | 3.75E-04 | 3.75E-04 | 4.20E-04 | 4.62E-04 | 3.23E-04 | 5.92E-02 | 3.80E-05 | 7.95E-05 | 7.66E-04 |
| TESTES | G | 6.36E-47 | 4.53E-05 | 2.75E-04 | 2.75E-04 | 1.86E-04 | 4.01E-04 | 3.91E-04 | 4.71E-05 | 1.60E-01 | 2.59E-06 | 7.70E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28E-02 | 0.0 | 6.38E-06 |
| | T | 6.36E-47 | 4.53E-05 | 2.75E-04 | 2.75E-04 | 1.86E-04 | 4.01E-04 | 3.91E-04 | 4.71E-05 | 1.73E-01 | 2.59E-06 | 7.76E-04 |
| THYMUS | G | 3.16E-05 | 2.30E-04 | 3.51E-04 | 3.51E-04 | 2.60E-04 | 1.78E-04 | 3.35E-04 | 2.70E-04 | 7.10E-06 | 1.71E-03 | 5.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 3.16E-05 | 2.30E-04 | 3.51E-04 | 3.51E-04 | 2.60E-04 | 1.78E-04 | 3.35E-04 | 2.70E-04 | 7.10E-06 | 1.71E-03 | 6.01E-04 |
| THYROID | G | 1.08E-05 | 3.81E-05 | 3.12E-04 | 3.12E-04 | 4.04E-04 | 2.15E-04 | 3.30E-04 | 7.02E-05 | 2.59E-06 | 2.17E-01 | 6.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.23E-02 | 6.38E-06 |
| | T | 1.08E-05 | 3.81E-05 | 3.12E-04 | 3.12E-04 | 4.04E-04 | 2.15E-04 | 3.30E-04 | 7.02E-05 | 2.59E-06 | 2.39E-01 | 6.69E-04 |
| UTERUS | G | 7.21E-03 | 2.64E-04 | 3.48E-04 | 3.48E-04 | 7.27E-04 | 2.89E-04 | 3.01E-04 | 2.44E-04 | 6.36E-47 | 1.03E-05 | 9.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.38E-06 |
| | T | 7.21E-03 | 2.64E-04 | 3.48E-04 | 3.48E-04 | 7.27E-04 | 2.89E-04 | 3.01E-04 | 2.44E-04 | 6.36E-47 | 1.03E-05 | 9.44E-04 |
| T BODY | G | 8.47E-04 | 8.28E-04 | 6.20E-04 | 6.20E-04 | 6.85E-04 | 5.55E-04 | 4.08E-04 | 7.23E-04 | 6.18E-04 | 5.64E-04 | 6.24E-04 |
| | B | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 |
| | T | 8.54E-04 | 8.34E-04 | 6.26E-04 | 6.26E-04 | 6.91E-04 | 5.61E-04 | 4.15E-04 | 7.30E-04 | 6.24E-04 | 5.71E-04 | 6.30E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-CESAREO, R. ET AL., Z. FUR PHYSIK 205, 174 (1967)
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 43-TECHNETIUM-97M (TR=9.100E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.09E-02 | 7.32E-09 | 2.30E-07 | 4.40E-08 | 6.17E-08 | 1.71E-08 | 3.27E-05 | 5.32E-06 | 1.25E-06 | 1.25E-06 | 5.33E-06 |
| | B | 3.18E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.29E-01 | 7.32E-09 | 2.30E-07 | 4.40E-08 | 6.17E-08 | 1.71E-08 | 3.27E-05 | 5.32E-06 | 1.25E-06 | 1.25E-06 | 5.33E-06 |
| BLAD WALL | G | 8.09E-09 | 6.56E-04 | 1.74E-08 | 2.44E-07 | 1.96E-07 | 2.57E-06 | 1.52E-08 | 9.03E-09 | 1.55E-09 | 1.55E-09 | 2.18E-06 |
| | B | 0.0 | 1.11E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.09E-09 | 1.18E-02 | 1.74E-08 | 2.44E-07 | 1.96E-07 | 2.57E-06 | 1.52E-08 | 9.03E-09 | 1.55E-09 | 1.55E-09 | 2.18E-06 |
| GI TRACT S WALL | G | 3.70E-07 | 1.56E-08 | 3.96E-04 | 3.19E-06 | 4.48E-06 | 4.18E-07 | 4.46E-07 | 4.57E-07 | 1.39E-06 | 1.39E-06 | 1.54E-06 |
| | B | 0.0 | 0.0 | 8.91E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.70E-07 | 1.56E-08 | 9.31E-03 | 3.19E-06 | 4.48E-06 | 4.18E-07 | 4.46E-07 | 4.57E-07 | 1.39E-06 | 1.39E-06 | 1.54E-06 |
| SI+CONT | G | 5.01E-08 | 2.71E-07 | 6.43E-07 | 2.71E-04 | 4.69E-05 | 2.46E-05 | 5.26E-07 | 3.95E-07 | 1.07E-08 | 1.07E-08 | 1.79E-06 |
| | B | 0.0 | 0.0 | 0.0 | 5.57E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.01E-08 | 2.71E-07 | 6.43E-07 | 5.84E-03 | 4.69E-05 | 2.46E-05 | 5.26E-07 | 3.95E-07 | 1.07E-08 | 1.07E-08 | 1.79E-06 |
| ULI WALL | G | 6.24E-08 | 1.77E-07 | 2.31E-06 | 1.89E-04 | 3.89E-04 | 1.35E-05 | 3.28E-07 | 7.97E-07 | 1.28E-08 | 1.28E-08 | 2.78E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.01E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.24E-08 | 1.77E-07 | 2.31E-06 | 1.89E-04 | 1.05E-02 | 1.35E-05 | 3.28E-07 | 7.97E-07 | 1.28E-08 | 1.28E-08 | 2.78E-06 |
| LLI WALL | G | 1.24E-08 | 3.27E-06 | 1.70E-07 | 2.96E-05 | 4.51E-06 | 5.29E-04 | 4.47E-08 | 1.29E-08 | 2.66E-09 | 2.66E-09 | 1.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.24E-08 | 3.27E-06 | 1.70E-07 | 2.96E-05 | 4.51E-06 | 1.70E-02 | 4.47E-08 | 1.29E-08 | 2.66E-09 | 2.66E-09 | 1.66E-06 |
| KIDNEYS | G | 3.04E-05 | 1.47E-08 | 3.92E-07 | 5.12E-07 | 3.22E-07 | 5.62E-08 | 1.05E-03 | 1.96E-06 | 7.51E-08 | 7.51E-08 | 3.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.04E-05 | 1.47E-08 | 3.92E-07 | 5.12E-07 | 3.22E-07 | 5.62E-08 | 1.54E-02 | 1.96E-06 | 7.51E-08 | 7.51E-08 | 3.10E-06 |
| LIVER | G | 5.14E-06 | 8.28E-09 | 3.26E-07 | 6.15E-07 | 8.55E-07 | 1.34E-08 | 1.93E-06 | 2.11E-04 | 2.88E-06 | 2.88E-06 | 1.50E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.48E-03 | 0.0 | 0.0 | 0.0 |
| | T | 5.14E-06 | 8.28E-09 | 3.26E-07 | 6.15E-07 | 8.55E-07 | 1.34E-08 | 1.93E-06 | 2.69E-03 | 2.88E-06 | 2.88E-06 | 1.50E-06 |
| LUNGS | G | 1.27E-06 | 1.28E-09 | 1.03E-06 | 1.21E-08 | 1.52E-08 | 4.22E-09 | 8.78E-08 | 3.73E-06 | 2.46E-04 | 2.46E-04 | 4.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.46E-03 | 4.46E-03 | 0.0 |
| | T | 1.27E-06 | 1.28E-09 | 1.03E-06 | 1.21E-08 | 1.52E-08 | 4.22E-09 | 8.78E-08 | 3.73E-06 | 4.70E-03 | 4.70E-03 | 4.08E-06 |
| RESP LYM NODE | G | 1.27E-06 | 1.28E-09 | 1.03E-06 | 1.21E-08 | 1.52E-08 | 4.22E-09 | 8.78E-08 | 3.73E-06 | 2.40E-04 | 2.46E-04 | 4.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.22E-03 | 2.97E-01 | 0.0 |
| | T | 1.27E-06 | 1.28E-09 | 1.03E-06 | 1.21E-08 | 1.52E-08 | 4.22E-09 | 8.78E-08 | 3.73E-06 | 4.46E-03 | 2.97E-01 | 4.08E-06 |
| MUSCLE* | G | 5.33E-06 | 2.18E-06 | 1.55E-06 | 1.79E-06 | 1.28E-06 | 1.66E-06 | 3.10E-06 | 1.50E-06 | 4.08E-06 | 4.08E-06 | 7.39E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 |
| | T | 5.33E-06 | 2.18E-06 | 1.55E-06 | 1.79E-06 | 1.28E-06 | 1.66E-06 | 3.10E-06 | 1.50E-06 | 4.08E-06 | 4.08E-06 | 1.67E-04 |
| OVARIES | G | 3.61E-08 | 1.12E-06 | 3.47E-08 | 1.81E-05 | 2.23E-05 | 6.25E-05 | 6.57E-08 | 2.58E-08 | 4.55E-09 | 4.55E-09 | 5.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.61E-08 | 1.12E-06 | 3.47E-08 | 1.81E-05 | 2.23E-05 | 6.25E-05 | 6.57E-08 | 2.58E-08 | 4.55E-09 | 4.55E-09 | 5.25E-06 |

43-TECHNETIUM-97M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.24E-06 | 1.06E-08 | 2.62E-05 | 1.51E-07 | 1.68E-07 | 4.86E-08 | 2.00E-06 | 1.61E-06 | 4.20E-07 | 4.20E-07 | 4.41E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.24E-06 | 1.06E-08 | 2.62E-05 | 1.51E-07 | 1.68E-07 | 4.86E-08 | 2.00E-06 | 1.61E-06 | 4.20E-07 | 4.20E-07 | 4.41E-06 |
| SKELETON BONE | G | 1.94E-06 | 7.38E-08 | 2.93E-07 | 7.89E-07 | 5.84E-07 | 2.21E-06 | 8.97E-07 | 8.58E-07 | 1.41E-06 | 1.41E-06 | 7.25E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.94E-06 | 7.38E-08 | 2.93E-07 | 7.89E-07 | 5.84E-07 | 2.21E-06 | 8.97E-07 | 8.58E-07 | 1.41E-06 | 1.41E-06 | 7.25E-07 |
| R MARROW | G | 2.93E-06 | 2.00E-07 | 3.55E-07 | 3.21E-06 | 2.37E-06 | 9.11E-06 | 2.36E-06 | 8.50E-07 | 1.59E-06 | 1.59E-06 | 3.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.93E-06 | 2.00E-07 | 3.55E-07 | 3.21E-06 | 2.37E-06 | 9.11E-06 | 2.36E-06 | 8.50E-07 | 1.59E-06 | 1.59E-06 | 3.66E-06 |
| Y MARROW | G | 1.83E-06 | 7.54E-08 | 4.03E-07 | 1.09E-06 | 8.23E-07 | 3.07E-06 | 1.08E-06 | 1.31E-06 | 1.76E-06 | 1.76E-06 | 3.24E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.83E-06 | 7.54E-08 | 4.03E-07 | 1.09E-06 | 8.23E-07 | 3.07E-06 | 1.08E-06 | 1.31E-06 | 1.76E-06 | 1.76E-06 | 3.24E-06 |
| T E CL | G | 1.94E-06 | 7.38E-08 | 2.93E-07 | 7.89E-07 | 5.84E-07 | 2.21E-06 | 8.97E-07 | 8.58E-07 | 1.41E-06 | 1.41E-06 | 7.25E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.94E-06 | 7.38E-08 | 2.93E-07 | 7.89E-07 | 5.84E-07 | 2.21E-06 | 8.97E-07 | 8.58E-07 | 1.41E-06 | 1.41E-06 | 7.25E-07 |
| SKIN | G | 3.08E-07 | 1.69E-07 | 1.55E-07 | 7.21E-08 | 6.01E-08 | 2.18E-07 | 4.54E-07 | 2.03E-07 | 2.59E-07 | 2.59E-07 | 2.95E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.08E-07 | 1.69E-07 | 1.55E-07 | 7.21E-08 | 6.01E-08 | 2.18E-07 | 4.54E-07 | 2.03E-07 | 2.59E-07 | 2.59E-07 | 2.95E-06 |
| SPLEEN | G | 3.01E-06 | 5.51E-08 | 4.38E-06 | 1.24E-07 | 1.14E-07 | 5.48E-08 | 1.39E-05 | 5.96E-08 | 1.87E-06 | 1.87E-06 | 2.83E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.01E-06 | 5.51E-08 | 4.38E-06 | 1.24E-07 | 1.14E-07 | 5.48E-08 | 1.39E-05 | 5.96E-08 | 1.87E-06 | 1.87E-06 | 2.83E-06 |
| TESTES | G | 1.27E-09 | 8.33E-07 | 2.31E-09 | 1.64E-08 | 1.40E-08 | 1.94E-07 | 3.97E-09 | 2.73E-09 | 2.78E-10 | 2.78E-10 | 1.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.27E-09 | 8.33E-07 | 2.31E-09 | 1.64E-08 | 1.40E-08 | 1.94E-07 | 3.97E-09 | 2.73E-09 | 2.78E-10 | 2.78E-10 | 1.06E-06 |
| THYMUS | G | 2.52E-08 | 3.81E-10 | 1.71E-08 | 3.62E-09 | 5.04E-09 | 1.09E-09 | 1.18E-08 | 3.80E-08 | 1.51E-06 | 1.51E-06 | 1.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.52E-08 | 3.81E-10 | 1.71E-08 | 3.62E-09 | 5.04E-09 | 1.09E-09 | 1.18E-08 | 3.80E-08 | 1.51E-06 | 1.51E-06 | 1.18E-05 |
| THYROID | G | 5.83E-09 | 5.75E-11 | 3.74E-09 | 5.48E-10 | 6.14E-10 | 1.79E-10 | 2.01E-09 | 5.49E-09 | 6.90E-08 | 6.90E-08 | 5.13E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.83E-09 | 5.75E-11 | 3.74E-09 | 5.48E-10 | 6.14E-10 | 1.79E-10 | 2.01E-09 | 5.49E-09 | 6.90E-08 | 6.90E-08 | 5.13E-06 |
| UTERUS | G | 1.23E-08 | 1.63E-05 | 4.37E-08 | 7.59E-06 | 8.23E-07 | 1.32E-06 | 5.09E-08 | 2.29E-08 | 4.19E-09 | 4.19E-09 | 8.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.23E-08 | 1.63E-05 | 4.37E-08 | 7.59E-06 | 8.23E-07 | 1.32E-06 | 5.09E-08 | 2.29E-08 | 4.19E-09 | 4.19E-09 | 8.34E-06 |
| T BODY | G | 6.69E-06 | 6.73E-06 | 6.73E-06 | 6.77E-06 | 6.77E-06 | 6.77E-06 | 6.64E-06 | 6.71E-06 | 6.69E-06 | 6.69E-06 | 6.04E-06 |
| | B | 6.37E-05 | 7.16E-06 | 1.91E-05 | 5.09E-05 | 3.04E-05 | 3.77E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 |
| | T | 7.04E-05 | 1.39E-05 | 2.58E-05 | 5.77E-05 | 3.72E-05 | 4.45E-05 | 7.03E-05 | 7.04E-05 | 7.04E-05 | 7.04E-05 | 6.97E-05 |

CONTINUED NEXT PAGE

43-TECHNETIUM-97M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.73E-08 | 2.39E-06 | 1.52E-06 | 1.52E-06 | 2.43E-06 | 5.65E-07 | 5.14E-07 | 3.76E-06 | 1.27E-09 | 5.83E-09 | 5.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 1.73E-08 | 2.39E-06 | 1.52E-06 | 1.52E-06 | 2.43E-06 | 5.65E-07 | 5.14E-07 | 3.76E-06 | 1.27E-09 | 5.83E-09 | 6.88E-05 |
| BLAD WALL | G | 1.72E-06 | 7.63E-09 | 3.99E-08 | 3.99E-08 | 9.67E-08 | 3.40E-08 | 2.18E-07 | 4.74E-09 | 1.13E-06 | 5.87E-11 | 8.07E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 1.72E-06 | 7.63E-09 | 3.99E-08 | 3.99E-08 | 9.67E-08 | 3.40E-08 | 2.18E-07 | 4.74E-09 | 1.13E-06 | 5.87E-11 | 7.17E-05 |
| GI TRACT S WALL | G | 5.20E-08 | 4.27E-05 | 1.60E-07 | 1.60E-07 | 1.83E-07 | 2.93E-07 | 2.74E-07 | 5.47E-06 | 1.29E-09 | 2.91E-09 | 6.82E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 5.20E-08 | 4.27E-05 | 1.60E-07 | 1.60E-07 | 1.83E-07 | 2.93E-07 | 2.74E-07 | 5.47E-06 | 1.29E-09 | 2.91E-09 | 7.05E-05 |
| SI+CONT | G | 2.34E-05 | 1.31E-07 | 2.45E-07 | 2.45E-07 | 1.11E-06 | 3.72E-07 | 8.49E-08 | 1.24E-07 | 1.89E-08 | 2.83E-10 | 6.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 2.34E-05 | 1.31E-07 | 2.45E-07 | 2.45E-07 | 1.11E-06 | 3.72E-07 | 8.49E-08 | 1.24E-07 | 1.89E-08 | 2.83E-10 | 7.03E-05 |
| ULI WALL | G | 4.50E-05 | 1.62E-07 | 2.97E-07 | 2.97E-07 | 1.07E-06 | 3.27E-07 | 1.41E-07 | 1.28E-07 | 1.61E-08 | 6.21E-10 | 6.60E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 4.50E-05 | 1.62E-07 | 2.97E-07 | 2.97E-07 | 1.07E-06 | 3.27E-07 | 1.41E-07 | 1.28E-07 | 1.61E-08 | 6.21E-10 | 7.03E-05 |
| LLI WALL | G | 5.97E-05 | 3.53E-08 | 8.03E-07 | 8.03E-07 | 2.72E-06 | 6.27E-07 | 8.11E-08 | 3.98E-08 | 4.59E-07 | 1.43E-10 | 6.30E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 5.97E-05 | 3.53E-08 | 8.03E-07 | 8.03E-07 | 2.72E-06 | 6.27E-07 | 8.11E-08 | 3.98E-08 | 4.59E-07 | 1.43E-10 | 7.00E-05 |
| KIDNEYS | G | 5.64E-08 | 1.61E-06 | 3.11E-07 | 3.11E-07 | 6.67E-07 | 4.72E-07 | 4.69E-07 | 1.41E-05 | 1.69E-09 | 1.73E-09 | 6.28E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 5.64E-08 | 1.61E-06 | 3.11E-07 | 3.11E-07 | 6.67E-07 | 4.72E-07 | 4.69E-07 | 1.41E-05 | 1.69E-09 | 1.73E-09 | 6.99E-05 |
| LIVER | G | 3.13E-08 | 1.57E-06 | 2.28E-07 | 2.28E-07 | 2.66E-07 | 4.12E-07 | 2.08E-07 | 6.15E-08 | 1.40E-09 | 4.54E-09 | 6.69E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 3.13E-08 | 1.57E-06 | 2.28E-07 | 2.28E-07 | 2.66E-07 | 4.12E-07 | 2.08E-07 | 6.15E-08 | 1.40E-09 | 4.54E-09 | 7.04E-05 |
| LUNGS | G | 3.02E-09 | 5.87E-07 | 4.46E-07 | 4.46E-07 | 5.25E-07 | 5.36E-07 | 3.06E-07 | 1.95E-06 | 1.76E-10 | 7.37E-08 | 6.62E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 3.02E-09 | 5.87E-07 | 4.46E-07 | 4.46E-07 | 5.25E-07 | 5.36E-07 | 3.06E-07 | 1.95E-06 | 1.76E-10 | 7.37E-08 | 7.03E-05 |
| RESP LYM NODE | G | 3.02E-09 | 5.87E-07 | 4.46E-07 | 4.46E-07 | 5.25E-07 | 5.36E-07 | 3.06E-07 | 1.95E-06 | 1.76E-10 | 7.37E-08 | 6.62E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 3.02E-09 | 5.87E-07 | 4.46E-07 | 4.46E-07 | 5.25E-07 | 5.36E-07 | 3.06E-07 | 1.95E-06 | 1.76E-10 | 7.37E-08 | 7.03E-05 |
| MUSCLE* | G | 5.25E-06 | 4.41E-06 | 7.25E-07 | 7.25E-07 | 9.52E-07 | 1.01E-06 | 2.95E-06 | 2.83E-06 | 1.06E-06 | 5.13E-06 | 6.04E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 5.25E-06 | 4.41E-06 | 7.25E-07 | 7.25E-07 | 9.52E-07 | 1.01E-06 | 2.95E-06 | 2.83E-06 | 1.06E-06 | 5.13E-06 | 6.97E-05 |
| OVARIES | G | 1.91E-02 | 2.76E-08 | 3.63E-07 | 3.63E-07 | 1.40E-06 | 4.40E-07 | 2.98E-08 | 1.79E-08 | 6.91E-47 | 1.56E-10 | 8.04E-06 |
| | B | 4.05E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 4.24E-01 | 2.76E-08 | 3.63E-07 | 3.63E-07 | 1.40E-06 | 4.40E-07 | 2.98E-08 | 1.79E-08 | 6.91E-47 | 1.56E-10 | 7.17E-05 |

43-TECHNETIUM-97M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.96E-08 | 3.86E-03 | 3.81E-07 | 3.81E-07 | 1.64E-07 | 1.63E-07 | 3.81E-08 | 4.87E-05 | 2.34E-09 | 2.80E-09 | 7.57E-06 |
| | B | 0.0 | 4.46E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 2.96E-08 | 4.84E-02 | 3.81E-07 | 3.81E-07 | 1.64E-07 | 1.63E-07 | 3.81E-08 | 4.87E-05 | 2.34E-09 | 2.80E-09 | 7.12E-05 |
| SKELETON BONE | G | 6.13E-07 | 3.89E-07 | 4.02E-05 | 4.02E-05 | 2.56E-05 | 3.32E-05 | 2.81E-06 | 7.04E-07 | 7.57E-08 | 1.79E-07 | 8.31E-06 |
| | B | 0.0 | 0.0 | 8.91E-04 | 7.40E-04 | 1.01E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 6.13E-07 | 3.89E-07 | 9.32E-04 | 7.80E-04 | 1.26E-04 | 3.32E-05 | 2.81E-06 | 7.04E-07 | 7.57E-08 | 1.79E-07 | 7.20E-05 |
| R MARROW | G | 2.51E-06 | 7.40E-07 | 3.91E-05 | 3.91E-05 | 1.07E-04 | 3.46E-05 | 2.55E-06 | 7.55E-07 | 5.39E-08 | 1.94E-07 | 8.91E-06 |
| | B | 0.0 | 0.0 | 4.17E-06 | 5.04E-04 | 2.62E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 2.51E-06 | 7.40E-07 | 4.32E-05 | 5.43E-04 | 2.73E-03 | 3.46E-05 | 2.55E-06 | 7.55E-07 | 5.39E-08 | 1.94E-07 | 7.26E-05 |
| Y MARROW | G | 8.55E-07 | 3.78E-07 | 3.92E-05 | 3.92E-05 | 3.80E-05 | 6.85E-05 | 3.48E-06 | 9.99E-07 | 2.40E-08 | 9.81E-08 | 8.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.97E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 8.55E-07 | 3.78E-07 | 3.92E-05 | 3.92E-05 | 3.80E-05 | 3.04E-03 | 3.48E-06 | 9.99E-07 | 2.40E-08 | 9.81E-08 | 7.22E-05 |
| T E CL | G | 6.13E-07 | 3.89E-07 | 3.96E-05 | 3.96E-05 | 4.05E-05 | 3.99E-05 | 2.81E-06 | 7.04E-07 | 7.57E-08 | 1.79E-07 | 8.34E-06 |
| | B | 0.0 | 0.0 | 4.75E-04 | 9.91E-04 | 8.25E-04 | 7.43E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 6.13E-07 | 3.89E-07 | 5.15E-04 | 1.03E-03 | 8.65E-04 | 7.83E-04 | 2.81E-06 | 7.04E-07 | 7.57E-08 | 1.79E-07 | 7.20E-05 |
| SKIN | G | 3.16E-08 | 3.19E-08 | 8.01E-07 | 8.01E-07 | 6.54E-07 | 1.08E-06 | 3.39E-05 | 1.38E-07 | 6.31E-06 | 1.23E-06 | 3.82E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.71E-03 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 3.16E-08 | 3.19E-08 | 8.01E-07 | 8.01E-07 | 6.54E-07 | 1.08E-06 | 1.75E-03 | 1.38E-07 | 6.31E-06 | 1.23E-06 | 6.75E-05 |
| SPLEEN | G | 2.68E-08 | 5.07E-05 | 5.93E-07 | 5.93E-07 | 1.95E-07 | 2.42E-07 | 1.81E-07 | 1.82E-03 | 8.85E-10 | 5.44E-09 | 6.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.48E-02 | 0.0 | 0.0 | 6.37E-05 |
| | T | 2.68E-08 | 5.07E-05 | 5.93E-07 | 5.93E-07 | 1.95E-07 | 2.42E-07 | 1.81E-07 | 2.66E-02 | 8.85E-10 | 5.44E-09 | 6.98E-05 |
| TESTES | G | 6.91E-47 | 2.35E-09 | 5.03E-08 | 5.03E-08 | 3.55E-08 | 8.19E-08 | 3.64E-06 | 2.03E-09 | 6.62E-03 | 1.12E-11 | 4.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.27E-01 | 0.0 | 6.37E-05 |
| | T | 6.91E-47 | 2.35E-09 | 5.03E-08 | 5.03E-08 | 3.55E-08 | 8.19E-08 | 3.64E-06 | 2.03E-09 | 1.34E-01 | 1.12E-11 | 6.86E-05 |
| THYMUS | G | 1.02E-09 | 2.67E-08 | 2.77E-07 | 2.77E-07 | 2.64E-07 | 2.78E-07 | 2.24E-07 | 1.37E-08 | 7.34E-11 | 4.03E-07 | 9.38E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 1.02E-09 | 2.67E-08 | 2.77E-07 | 2.77E-07 | 2.64E-07 | 2.78E-07 | 2.24E-07 | 1.37E-08 | 7.34E-11 | 4.03E-07 | 7.30E-05 |
| THYROID | G | 1.55E-10 | 5.45E-09 | 1.64E-07 | 1.64E-07 | 1.33E-07 | 1.76E-07 | 1.12E-06 | 3.89E-09 | 1.12E-11 | 1.01E-02 | 6.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.23E-01 | 6.37E-05 |
| | T | 1.55E-10 | 5.45E-09 | 1.64E-07 | 1.64E-07 | 1.33E-07 | 1.76E-07 | 1.12E-06 | 3.89E-09 | 1.12E-11 | 2.33E-01 | 7.06E-05 |
| UTERUS | G | 1.91E-05 | 2.71E-08 | 5.45E-08 | 5.45E-08 | 2.09E-07 | 6.74E-08 | 7.20E-08 | 2.37E-08 | 6.91E-47 | 1.42E-10 | 6.73E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-05 |
| | T | 1.91E-05 | 2.71E-08 | 5.45E-08 | 5.45E-08 | 2.09E-07 | 6.74E-08 | 7.20E-08 | 2.37E-08 | 6.91E-47 | 1.42E-10 | 7.04E-05 |
| T BODY | G | 6.79E-06 | 6.78E-06 | 6.62E-06 | 6.62E-06 | 6.64E-06 | 6.54E-06 | 3.86E-06 | 6.73E-06 | 6.11E-06 | 6.45E-06 | 6.30E-06 |
| | B | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 | 6.37E-05 |
| | T | 7.05E-05 | 7.04E-05 | 7.03E-05 | 7.03E-05 | 7.03E-05 | 7.02E-05 | 6.75E-05 | 7.04E-05 | 6.98E-05 | 7.01E-05 | 7.00E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-PHELPS, M. E. AND SARANTITES, D. G., NUCL. PHYS. A171, 44 (1971)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 43-TECHNETIUM-97 (TR=2.600E 06 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.54E-02 | 3.01E-15 | 3.53E-08 | 4.91E-10 | 3.73E-10 | 1.00E-11 | 3.76E-05 | 5.56E-06 | 1.32E-06 | 1.32E-06 | 6.59E-06 |
| | B | 2.04E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.58E-02 | 3.01E-15 | 3.53E-08 | 4.91E-10 | 3.73E-10 | 1.00E-11 | 3.76E-05 | 5.56E-06 | 1.32E-06 | 1.32E-06 | 6.59E-06 |
| BLAD WALL | G | 4.37E-15 | 8.48E-04 | 2.91E-12 | 5.87E-08 | 4.23E-08 | 2.08E-06 | 1.85E-12 | 1.19E-12 | 8.94E-17 | 8.94E-17 | 2.35E-06 |
| | B | 0.0 | 7.14E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.37E-15 | 1.56E-03 | 2.91E-12 | 5.87E-08 | 4.23E-08 | 2.08E-06 | 1.85E-12 | 1.19E-12 | 8.94E-17 | 8.94E-17 | 2.35E-06 |
| GI TRACT S WALL | G | 1.72E-07 | 4.06E-12 | 5.00E-04 | 3.22E-06 | 4.68E-06 | 2.96E-07 | 1.84E-07 | 4.11E-07 | 1.37E-06 | 1.37E-06 | 1.62E-06 |
| | B | 0.0 | 0.0 | 5.71E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.72E-07 | 4.06E-12 | 1.07E-03 | 3.22E-06 | 4.68E-06 | 2.96E-07 | 1.84E-07 | 4.11E-07 | 1.37E-06 | 1.37E-06 | 1.62E-06 |
| SI+CONT | G | 4.91E-10 | 5.94E-08 | 4.93E-07 | 3.62E-04 | 5.31E-05 | 2.79E-05 | 3.27E-07 | 3.23E-07 | 9.83E-12 | 9.83E-12 | 1.99E-06 |
| | B | 0.0 | 0.0 | 0.0 | 3.57E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.91E-10 | 5.94E-08 | 4.93E-07 | 7.19E-04 | 5.31E-05 | 2.79E-05 | 3.27E-07 | 3.23E-07 | 9.83E-12 | 9.83E-12 | 1.99E-06 |
| ULI WALL | G | 4.66E-09 | 3.45E-08 | 2.23E-06 | 2.50E-04 | 4.99E-04 | 1.64E-05 | 1.25E-07 | 6.51E-07 | 1.53E-11 | 1.53E-11 | 3.35E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 6.49E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.66E-09 | 3.45E-08 | 2.23E-06 | 2.50E-04 | 1.15E-03 | 1.64E-05 | 1.25E-07 | 6.51E-07 | 1.53E-11 | 1.53E-11 | 3.35E-06 |
| LLI WALL | G | 8.17E-12 | 2.76E-06 | 9.50E-08 | 3.64E-05 | 4.83E-06 | 6.85E-04 | 3.91E-09 | 6.80E-12 | 3.80E-13 | 3.80E-13 | 1.74E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.17E-12 | 2.76E-06 | 9.50E-08 | 3.64E-05 | 4.83E-06 | 1.74E-03 | 3.91E-09 | 6.80E-12 | 3.80E-13 | 3.80E-13 | 1.74E-06 |
| KIDNEYS | G | 3.50E-05 | 1.33E-12 | 1.41E-07 | 2.86E-07 | 1.20E-07 | 4.41E-09 | 1.42E-03 | 1.85E-06 | 1.96E-08 | 1.96E-08 | 3.64E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.21E-04 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.50E-05 | 1.33E-12 | 1.41E-07 | 2.86E-07 | 1.20E-07 | 4.41E-09 | 2.34E-03 | 1.85E-06 | 1.96E-08 | 1.96E-08 | 3.64E-06 |
| LIVER | G | 5.39E-06 | 7.98E-13 | 2.28E-07 | 5.41E-07 | 7.13E-07 | 7.90E-12 | 1.75E-06 | 2.79E-04 | 3.04E-06 | 3.04E-06 | 1.70E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-04 | 0.0 | 0.0 | 0.0 |
| | T | 5.39E-06 | 7.98E-13 | 2.28E-07 | 5.41E-07 | 7.13E-07 | 7.90E-12 | 1.75E-06 | 4.38E-04 | 3.04E-06 | 3.04E-06 | 1.70E-06 |
| LUNGS | G | 1.16E-06 | 1.87E-17 | 9.44E-07 | 3.25E-12 | 3.97E-12 | 1.40E-13 | 3.81E-08 | 4.02E-06 | 3.37E-04 | 3.37E-04 | 4.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.85E-04 | 2.85E-04 | 0.0 |
| | T | 1.16E-06 | 1.87E-17 | 9.44E-07 | 3.25E-12 | 3.97E-12 | 1.40E-13 | 3.81E-08 | 4.02E-06 | 6.22E-04 | 6.22E-04 | 4.96E-06 |
| RESP LYM NODE | G | 1.16E-06 | 1.87E-17 | 9.44E-07 | 3.25E-12 | 3.97E-12 | 1.40E-13 | 3.81E-08 | 4.02E-06 | 3.31E-04 | 3.37E-04 | 4.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.90E-02 | 0.0 |
| | T | 1.16E-06 | 1.87E-17 | 9.44E-07 | 3.25E-12 | 3.97E-12 | 1.40E-13 | 3.81E-08 | 4.02E-06 | 3.31E-04 | 1.94E-02 | 4.96E-06 |
| MUSCLE* | G | 6.59E-06 | 2.35E-06 | 1.62E-06 | 1.99E-06 | 1.30E-06 | 1.74E-06 | 3.64E-06 | 1.70E-06 | 4.96E-06 | 4.96E-06 | 9.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-05 |
| | T | 6.59E-06 | 2.35E-06 | 1.62E-06 | 1.99E-06 | 1.30E-06 | 1.74E-06 | 3.64E-06 | 1.70E-06 | 4.96E-06 | 4.96E-06 | 1.99E-05 |
| OVARIES | G | 8.00E-13 | 5.50E-07 | 3.55E-10 | 2.03E-05 | 2.58E-05 | 7.05E-05 | 5.92E-10 | 1.87E-10 | 1.17E-14 | 1.17E-14 | 6.44E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.00E-13 | 5.50E-07 | 3.55E-10 | 2.03E-05 | 2.58E-05 | 7.05E-05 | 5.92E-10 | 1.87E-10 | 1.17E-14 | 1.17E-14 | 6.44E-06 |

43-TECHNETIUM-97 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.54E-06 | 7.11E-14 | 2.67E-05 | 1.39E-08 | 1.69E-08 | 3.97E-10 | 1.51E-06 | 1.57E-06 | 2.19E-07 | 2.19E-07 | 5.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.54E-06 | 7.11E-14 | 2.67E-05 | 1.39E-08 | 1.69E-08 | 3.97E-10 | 1.51E-06 | 1.57E-06 | 2.19E-07 | 2.19E-07 | 5.25E-06 |
| SKELETON BONE | G | 1.87E-06 | 5.42E-09 | 2.28E-07 | 7.87E-07 | 5.26E-07 | 2.27E-06 | 8.23E-07 | 8.42E-07 | 1.38E-06 | 1.38E-06 | 7.96E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.87E-06 | 5.42E-09 | 2.28E-07 | 7.87E-07 | 5.26E-07 | 2.27E-06 | 8.23E-07 | 8.42E-07 | 1.38E-06 | 1.38E-06 | 7.96E-07 |
| R MARROW | G | 2.76E-06 | 3.02E-08 | 2.41E-07 | 3.27E-06 | 2.20E-06 | 9.48E-06 | 2.16E-06 | 8.00E-07 | 1.53E-06 | 1.53E-06 | 4.14E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.76E-06 | 3.02E-08 | 2.41E-07 | 3.27E-06 | 2.20E-06 | 9.48E-06 | 2.16E-06 | 8.00E-07 | 1.53E-06 | 1.53E-06 | 4.14E-06 |
| Y MARROW | G | 1.76E-06 | 1.01E-08 | 3.11E-07 | 1.09E-06 | 7.36E-07 | 3.16E-06 | 9.88E-07 | 1.28E-06 | 1.76E-06 | 1.76E-06 | 3.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.76E-06 | 1.01E-08 | 3.11E-07 | 1.09E-06 | 7.36E-07 | 3.16E-06 | 9.88E-07 | 1.28E-06 | 1.76E-06 | 1.76E-06 | 3.66E-06 |
| T E CL | G | 1.87E-06 | 5.42E-09 | 2.28E-07 | 7.87E-07 | 5.26E-07 | 2.27E-06 | 8.23E-07 | 8.42E-07 | 1.38E-06 | 1.38E-06 | 7.96E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.87E-06 | 5.42E-09 | 2.28E-07 | 7.87E-07 | 5.26E-07 | 2.27E-06 | 8.23E-07 | 8.42E-07 | 1.38E-06 | 1.38E-06 | 7.96E-07 |
| SKIN | G | 2.90E-07 | 1.37E-07 | 1.27E-07 | 5.66E-08 | 3.27E-08 | 2.21E-07 | 4.56E-07 | 1.83E-07 | 2.35E-07 | 2.35E-07 | 3.76E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.90E-07 | 1.37E-07 | 1.27E-07 | 5.66E-08 | 3.27E-08 | 2.21E-07 | 4.56E-07 | 1.83E-07 | 2.35E-07 | 2.35E-07 | 3.76E-06 |
| SPLEEN | G | 2.62E-06 | 5.13E-14 | 3.61E-06 | 2.03E-08 | 1.72E-08 | 2.60E-09 | 1.47E-05 | 1.54E-09 | 1.84E-06 | 1.84E-06 | 3.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.62E-06 | 5.13E-14 | 3.61E-06 | 2.03E-08 | 1.72E-08 | 2.60E-09 | 1.47E-05 | 1.54E-09 | 1.84E-06 | 1.84E-06 | 3.27E-06 |
| TESTES | G | 7.01E-19 | 4.68E-07 | 6.36E-16 | 5.65E-12 | 8.59E-12 | 7.47E-08 | 2.87E-16 | 3.16E-16 | 1.94E-20 | 1.94E-20 | 1.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.01E-19 | 4.68E-07 | 6.36E-16 | 5.65E-12 | 8.59E-12 | 7.47E-08 | 2.87E-16 | 3.16E-16 | 1.94E-20 | 1.94E-20 | 1.08E-06 |
| THYMUS | G | 4.73E-12 | 1.26E-21 | 3.99E-12 | 3.59E-16 | 5.34E-16 | 7.65E-18 | 8.49E-14 | 5.35E-11 | 1.22E-06 | 1.22E-06 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.73E-12 | 1.26E-21 | 3.99E-12 | 3.59E-16 | 5.34E-16 | 7.65E-18 | 8.49E-14 | 5.35E-11 | 1.22E-06 | 1.22E-06 | 1.53E-05 |
| THYROID | G | 9.26E-16 | 1.05E-27 | 7.66E-16 | 3.74E-20 | 5.36E-20 | 1.79E-40 | 1.30E-17 | 3.78E-15 | 7.73E-09 | 7.73E-09 | 6.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.26E-16 | 1.05E-27 | 7.66E-16 | 3.74E-20 | 5.36E-20 | 1.79E-40 | 1.30E-17 | 3.78E-15 | 7.73E-09 | 7.73E-09 | 6.27E-06 |
| UTERUS | G | 3.07E-13 | 1.59E-05 | 9.47E-11 | 7.18E-06 | 4.09E-07 | 7.89E-07 | 1.46E-10 | 2.77E-11 | 3.75E-15 | 3.75E-15 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.07E-13 | 1.59E-05 | 9.47E-11 | 7.18E-06 | 4.09E-07 | 7.89E-07 | 1.46E-10 | 2.77E-11 | 3.75E-15 | 3.75E-15 | 1.07E-05 |
| T BODY | G | 8.57E-06 | 8.61E-06 | 8.61E-06 | 8.64E-06 | 8.64E-06 | 8.64E-06 | 8.52E-06 | 8.60E-06 | 8.58E-06 | 8.58E-06 | 7.86E-06 |
| | B | 4.08E-06 | 4.59E-07 | 1.22E-06 | 3.26E-06 | 1.95E-06 | 2.42E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 |
| | T | 1.27E-05 | 9.07E-06 | 9.84E-06 | 1.19E-05 | 1.06E-05 | 1.11E-05 | 1.26E-05 | 1.27E-05 | 1.27E-05 | 1.27E-05 | 1.19E-05 |

CONTINUED NEXT PAGE

43-TECHNETIUM-97 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 8.00E-13 | 1.64E-06 | 1.57E-06 | 1.57E-06 | 2.46E-06 | 5.34E-07 | 5.03E-07 | 3.33E-06 | 7.01E-19 | 9.26E-16 | 7.38E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 8.00E-13 | 1.64E-06 | 1.57E-06 | 1.57E-06 | 2.46E-06 | 5.34E-07 | 5.03E-07 | 3.33E-06 | 7.01E-19 | 9.26E-16 | 1.15E-05 |
| BLAD WALL | G | 1.16E-06 | 1.01E-13 | 6.76E-09 | 6.76E-09 | 2.21E-08 | 6.29E-09 | 2.28E-07 | 7.51E-14 | 7.64E-07 | 1.49E-27 | 1.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 1.16E-06 | 1.01E-13 | 6.76E-09 | 6.76E-09 | 2.21E-08 | 6.29E-09 | 2.28E-07 | 7.51E-14 | 7.64E-07 | 1.49E-27 | 1.41E-05 |
| GI TRACT S WALL | G | 6.97E-10 | 4.72E-05 | 1.55E-07 | 1.55E-07 | 1.58E-07 | 2.94E-07 | 2.92E-07 | 4.86E-06 | 1.26E-15 | 1.52E-15 | 8.71E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 6.97E-10 | 4.72E-05 | 1.55E-07 | 1.55E-07 | 1.58E-07 | 2.94E-07 | 2.92E-07 | 4.86E-06 | 1.26E-15 | 1.52E-15 | 1.28E-05 |
| SI+CONT | G | 2.57E-05 | 1.35E-08 | 2.29E-07 | 2.29E-07 | 1.05E-06 | 3.66E-07 | 6.88E-08 | 3.17E-08 | 5.45E-12 | 3.63E-20 | 8.57E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 2.57E-05 | 1.35E-08 | 2.29E-07 | 2.29E-07 | 1.05E-06 | 3.66E-07 | 6.88E-08 | 3.17E-08 | 5.45E-12 | 3.63E-20 | 1.27E-05 |
| ULI WALL | G | 5.40E-05 | 2.05E-08 | 3.00E-07 | 3.00E-07 | 1.07E-06 | 3.11E-07 | 1.34E-07 | 2.26E-08 | 9.28E-12 | 6.34E-20 | 8.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 5.40E-05 | 2.05E-08 | 3.00E-07 | 3.00E-07 | 1.07E-06 | 3.11E-07 | 1.34E-07 | 2.26E-08 | 9.28E-12 | 6.34E-20 | 1.26E-05 |
| LLI WALL | G | 7.05E-05 | 2.97E-10 | 8.74E-07 | 8.74E-07 | 2.85E-06 | 6.61E-07 | 6.10E-08 | 1.95E-09 | 2.67E-07 | 1.42E-40 | 7.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 7.05E-05 | 2.97E-10 | 8.74E-07 | 8.74E-07 | 2.85E-06 | 6.61E-07 | 6.10E-08 | 1.95E-09 | 2.67E-07 | 1.42E-40 | 1.20E-05 |
| KIDNEYS | G | 6.40E-10 | 1.10E-06 | 3.22E-07 | 3.22E-07 | 5.73E-07 | 4.99E-07 | 4.71E-07 | 1.50E-05 | 3.04E-16 | 1.34E-17 | 8.19E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 6.40E-10 | 1.10E-06 | 3.22E-07 | 3.22E-07 | 5.73E-07 | 4.99E-07 | 4.71E-07 | 1.50E-05 | 3.04E-16 | 1.34E-17 | 1.23E-05 |
| LIVER | G | 1.93E-10 | 1.28E-06 | 2.10E-07 | 2.10E-07 | 2.29E-07 | 3.81E-07 | 1.83E-07 | 1.43E-09 | 3.24E-16 | 3.90E-15 | 8.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 1.93E-10 | 1.28E-06 | 2.10E-07 | 2.10E-07 | 2.29E-07 | 3.81E-07 | 1.83E-07 | 1.43E-09 | 3.24E-16 | 3.90E-15 | 1.26E-05 |
| LUNGS | G | 3.44E-15 | 3.94E-07 | 4.18E-07 | 4.18E-07 | 4.82E-07 | 4.98E-07 | 2.83E-07 | 1.93E-06 | 1.75E-21 | 1.11E-08 | 8.40E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 3.44E-15 | 3.94E-07 | 4.18E-07 | 4.18E-07 | 4.82E-07 | 4.98E-07 | 2.83E-07 | 1.93E-06 | 1.75E-21 | 1.11E-08 | 1.25E-05 |
| RESP LYM NODE | G | 3.44E-15 | 3.94E-07 | 4.18E-07 | 4.18E-07 | 4.82E-07 | 4.98E-07 | 2.83E-07 | 1.93E-06 | 1.75E-21 | 1.11E-08 | 8.40E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 3.44E-15 | 3.94E-07 | 4.18E-07 | 4.18E-07 | 4.82E-07 | 4.98E-07 | 2.83E-07 | 1.93E-06 | 1.75E-21 | 1.11E-08 | 1.25E-05 |
| MUSCLE* | G | 6.44E-06 | 5.25E-06 | 7.96E-07 | 7.96E-07 | 1.04E-06 | 1.17E-06 | 3.76E-06 | 3.27E-06 | 1.08E-06 | 6.27E-06 | 7.86E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 6.44E-06 | 5.25E-06 | 7.96E-07 | 7.96E-07 | 1.04E-06 | 1.17E-06 | 3.76E-06 | 3.27E-06 | 1.08E-06 | 6.27E-06 | 1.19E-05 |
| OVARIES | G | 2.72E-02 | 1.04E-11 | 3.13E-07 | 3.13E-07 | 1.19E-06 | 3.52E-07 | 6.52E-09 | 2.68E-11 | 6.32E-47 | 3.96E-26 | 1.13E-05 |
| | B | 2.59E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 5.32E-02 | 1.04E-11 | 3.13E-07 | 3.13E-07 | 1.19E-06 | 3.52E-07 | 6.52E-09 | 2.68E-11 | 6.32E-47 | 3.96E-26 | 1.54E-05 |

43-TECHNETIUM-97 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.02E-11 | 5.37E-03 | 4.17E-07 | 4.17E-07 | 5.89E-08 | 1.19E-07 | 1.51E-08 | 5.36E-05 | 1.68E-17 | 7.01E-16 | 9.48E-06 |
| | B | 0.0 | 2.85E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 1.02E-11 | 8.22E-03 | 4.17E-07 | 4.17E-07 | 5.89E-08 | 1.19E-07 | 1.51E-08 | 5.36E-05 | 1.68E-17 | 7.01E-16 | 1.36E-05 |
| SKELETON BONE | G | 4.80E-07 | 2.74E-07 | 5.24E-05 | 5.24E-05 | 3.36E-05 | 4.36E-05 | 3.34E-06 | 6.50E-07 | 8.12E-09 | 9.65E-08 | 1.04E-05 |
| | B | 0.0 | 0.0 | 5.71E-05 | 5.62E-05 | 6.14E-07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 4.80E-07 | 2.74E-07 | 1.09E-04 | 1.09E-04 | 3.42E-05 | 4.36E-05 | 3.34E-06 | 6.50E-07 | 8.12E-09 | 9.65E-08 | 1.45E-05 |
| R MARROW | G | 2.02E-06 | 5.23E-07 | 5.11E-05 | 5.11E-05 | 1.40E-04 | 4.54E-05 | 3.03E-06 | 6.65E-07 | 3.46E-09 | 1.07E-07 | 1.11E-05 |
| | B | 0.0 | 0.0 | 2.40E-08 | 3.07E-06 | 1.88E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 2.02E-06 | 5.23E-07 | 5.12E-05 | 5.42E-05 | 3.28E-04 | 4.54E-05 | 3.03E-06 | 6.65E-07 | 3.46E-09 | 1.07E-07 | 1.52E-05 |
| Y MARROW | G | 6.73E-07 | 2.44E-07 | 5.14E-05 | 5.14E-05 | 5.00E-05 | 8.86E-05 | 4.14E-06 | 9.07E-07 | 1.19E-09 | 5.66E-08 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.90E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 6.73E-07 | 2.44E-07 | 5.14E-05 | 5.14E-05 | 5.00E-05 | 2.79E-04 | 4.14E-06 | 9.07E-07 | 1.19E-09 | 5.66E-08 | 1.48E-05 |
| T E CL | G | 4.80E-07 | 2.74E-07 | 5.18E-05 | 5.18E-05 | 5.25E-05 | 5.17E-05 | 3.34E-06 | 6.50E-07 | 8.12E-09 | 9.65E-08 | 1.04E-05 |
| | B | 0.0 | 0.0 | 5.11E-06 | 1.07E-05 | 8.80E-05 | 4.76E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 4.80E-07 | 2.74E-07 | 5.69E-05 | 6.25E-05 | 1.41E-04 | 9.92E-05 | 3.34E-06 | 6.50E-07 | 8.12E-09 | 9.65E-08 | 1.45E-05 |
| SKIN | G | 6.24E-09 | 7.81E-09 | 9.30E-07 | 9.30E-07 | 7.72E-07 | 1.26E-06 | 4.80E-05 | 1.08E-07 | 7.54E-06 | 1.30E-06 | 5.05E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.10E-04 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 6.24E-09 | 7.81E-09 | 9.30E-07 | 9.30E-07 | 7.72E-07 | 1.26E-06 | 1.58E-04 | 1.08E-07 | 7.54E-06 | 1.30E-06 | 9.12E-06 |
| SPLEEN | G | 2.63E-11 | 5.59E-05 | 6.95E-07 | 6.95E-07 | 1.67E-07 | 2.11E-07 | 1.78E-07 | 2.46E-03 | 1.54E-17 | 3.25E-16 | 7.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-03 | 0.0 | 0.0 | 4.08E-06 |
| | T | 2.63E-11 | 5.59E-05 | 6.95E-07 | 6.95E-07 | 1.67E-07 | 2.11E-07 | 1.78E-07 | 4.05E-03 | 1.54E-17 | 3.25E-16 | 1.18E-05 |
| TESTES | G | 6.32E-47 | 1.64E-17 | 7.49E-09 | 7.49E-09 | 2.67E-09 | 1.01E-08 | 4.41E-06 | 1.56E-17 | 9.18E-03 | 4.21E-31 | 6.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.15E-03 | 0.0 | 4.08E-06 |
| | T | 6.32E-47 | 1.64E-17 | 7.49E-09 | 7.49E-09 | 2.67E-09 | 1.01E-08 | 4.41E-06 | 1.56E-17 | 1.73E-02 | 4.21E-31 | 1.06E-05 |
| THYMUS | G | 3.53E-19 | 5.99E-12 | 3.03E-07 | 3.03E-07 | 2.13E-07 | 2.35E-07 | 1.92E-07 | 7.35E-13 | 3.74E-27 | 8.58E-08 | 1.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 3.53E-19 | 5.99E-12 | 3.03E-07 | 3.03E-07 | 2.13E-07 | 2.35E-07 | 1.92E-07 | 7.35E-13 | 3.74E-27 | 8.58E-08 | 1.62E-05 |
| THYROID | G | 3.91E-26 | 7.02E-16 | 1.41E-07 | 1.41E-07 | 1.14E-07 | 1.13E-07 | 1.33E-06 | 3.14E-16 | 4.25E-31 | 1.41E-02 | 8.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.43E-02 | 4.08E-06 |
| | T | 3.91E-26 | 7.02E-16 | 1.41E-07 | 1.41E-07 | 1.14E-07 | 1.13E-07 | 1.33E-06 | 3.14E-16 | 4.25E-31 | 2.84E-02 | 1.28E-05 |
| UTERUS | G | 1.80E-05 | 5.90E-12 | 1.68E-08 | 1.68E-08 | 6.69E-08 | 2.02E-08 | 5.51E-08 | 3.15E-12 | 6.32E-47 | 1.02E-26 | 8.52E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.08E-06 |
| | T | 1.80E-05 | 5.90E-12 | 1.68E-08 | 1.68E-08 | 6.69E-08 | 2.02E-08 | 5.51E-08 | 3.15E-12 | 6.32E-47 | 1.02E-26 | 1.26E-05 |
| T BODY | G | 8.65E-06 | 8.64E-06 | 8.50E-06 | 8.50E-06 | 8.51E-06 | 8.43E-06 | 5.07E-06 | 8.61E-06 | 7.96E-06 | 8.36E-06 | 8.14E-06 |
| | B | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 |
| | T | 1.27E-05 | 1.27E-05 | 1.26E-05 | 1.26E-05 | 1.26E-05 | 1.25E-05 | 9.15E-06 | 1.27E-05 | 1.20E-05 | 1.24E-05 | 1.22E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH. ED.
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 43-TECHNETIUM-99 (TR=2.120E 05 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | B | 3.68E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.68E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BLAD WALL | B | 0.0 | 1.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 1.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 1.03E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 1.03E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 6.44E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 6.44E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.91E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.91E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-03 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-03 | 0.0 | 0.0 | 0.0 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.15E-03 | 5.15E-03 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.15E-03 | 5.15E-03 | 0.0 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.15E-03 | 3.43E-01 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.15E-03 | 3.43E-01 | 0.0 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-04 |
| OVARIES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

43-TECHNETIUM-99 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKELETON BONE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T E CL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T BODY | B | 7.36E-05 | 8.28E-06 | 2.21E-05 | 5.89E-05 | 3.51E-05 | 4.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 |
| | T | 7.36E-05 | 8.28E-06 | 2.21E-05 | 5.89E-05 | 3.51E-05 | 4.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 |

CONTINUED NEXT PAGE

43-TECHNETIUM-99 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| BLAD WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| OVARIES | B | 4.68E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 4.68E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |

43-TECHNETIUM-99 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | B | 0.0 | 5.15E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 5.15E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| SKELETON BONE | B | 0.0 | 0.0 | 1.03E-03 | 8.20E-04 | 1.40E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 1.03E-03 | 8.20E-04 | 1.40E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| R MARROW | B | 0.0 | 0.0 | 6.71E-06 | 7.00E-04 | 2.95E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 6.71E-06 | 7.00E-04 | 2.95E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.43E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.43E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| T E CL | B | 0.0 | 0.0 | 5.86E-04 | 1.20E-03 | 9.16E-04 | 8.58E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 5.86E-04 | 1.20E-03 | 9.16E-04 | 8.58E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-03 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-03 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-02 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-02 | 0.0 | 0.0 | 7.36E-05 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.47E-01 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.47E-01 | 0.0 | 7.36E-05 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.57E-01 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.57E-01 | 7.36E-05 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-05 |
| T BODY | B | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 |
| | T | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 | 7.36E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH. ED.
DATE DECAY DATA REVIEWED-JULY 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 44-RUTHENIUM-97 (TR=2.900E 00 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.30E-02 | 8.31E-06 | 9.69E-05 | 6.44E-05 | 3.82E-05 | 1.94E-05 | 4.64E-04 | 2.15E-04 | 1.03E-04 | 1.03E-04 | 6.79E-05 |
| | B | 4.89E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.19E-02 | 8.31E-06 | 9.69E-05 | 6.44E-05 | 3.82E-05 | 1.94E-05 | 4.64E-04 | 2.15E-04 | 1.03E-04 | 1.03E-04 | 6.79E-05 |
| BLAD WALL | G | 4.94E-06 | 3.84E-03 | 1.04E-05 | 1.11E-04 | 8.72E-05 | 2.68E-04 | 1.34E-05 | 7.48E-06 | 2.24E-06 | 2.24E-06 | 7.56E-05 |
| | B | 0.0 | 1.71E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.94E-06 | 5.55E-03 | 1.04E-05 | 1.11E-04 | 8.72E-05 | 2.68E-04 | 1.34E-05 | 7.48E-06 | 2.24E-06 | 2.24E-06 | 7.56E-05 |
| GI TRACT S WALL | G | 1.21E-04 | 1.20E-05 | 2.65E-03 | 1.54E-04 | 1.58E-04 | 7.37E-05 | 1.39E-04 | 8.04E-05 | 7.80E-05 | 7.80E-05 | 5.95E-05 |
| | B | 0.0 | 0.0 | 1.37E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.21E-04 | 1.20E-05 | 4.02E-03 | 1.54E-04 | 1.58E-04 | 7.37E-05 | 1.39E-04 | 8.04E-05 | 7.80E-05 | 7.80E-05 | 5.95E-05 |
| SI+CONT | G | 3.57E-05 | 1.17E-04 | 1.08E-04 | 1.64E-03 | 7.46E-04 | 4.16E-04 | 1.18E-04 | 6.92E-05 | 8.67E-06 | 8.67E-06 | 6.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 8.55E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.57E-05 | 1.17E-04 | 1.08E-04 | 2.50E-03 | 7.46E-04 | 4.16E-04 | 1.18E-04 | 6.92E-05 | 8.67E-06 | 8.67E-06 | 6.61E-05 |
| ULI WALL | G | 3.86E-05 | 9.66E-05 | 1.47E-04 | 1.23E-03 | 2.28E-03 | 1.93E-04 | 1.19E-04 | 1.02E-04 | 1.07E-05 | 1.07E-05 | 7.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.55E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.86E-05 | 9.66E-05 | 1.47E-04 | 1.23E-03 | 3.83E-03 | 1.93E-04 | 1.19E-04 | 1.02E-04 | 1.07E-05 | 1.07E-05 | 7.02E-05 |
| LLI WALL | G | 1.01E-05 | 2.94E-04 | 5.36E-05 | 3.32E-04 | 1.29E-04 | 2.81E-03 | 3.53E-05 | 1.03E-05 | 4.48E-06 | 4.48E-06 | 7.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.53E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.01E-05 | 2.94E-04 | 5.36E-05 | 3.32E-04 | 1.29E-04 | 5.34E-03 | 3.53E-05 | 1.03E-05 | 4.48E-06 | 4.48E-06 | 7.17E-05 |
| KIDNEYS | G | 5.19E-04 | 1.22E-05 | 1.44E-04 | 1.26E-04 | 1.13E-04 | 3.92E-05 | 4.34E-03 | 1.59E-04 | 3.71E-05 | 3.71E-05 | 6.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.21E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.19E-04 | 1.22E-05 | 1.44E-04 | 1.26E-04 | 1.13E-04 | 3.92E-05 | 6.54E-03 | 1.59E-04 | 3.71E-05 | 3.71E-05 | 6.18E-05 |
| LIVER | G | 2.10E-04 | 9.26E-06 | 8.14E-05 | 7.70E-05 | 1.07E-04 | 1.21E-05 | 1.60E-04 | 1.33E-03 | 1.05E-04 | 1.05E-04 | 4.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.80E-04 | 0.0 | 0.0 | 0.0 |
| | T | 2.10E-04 | 9.26E-06 | 8.14E-05 | 7.70E-05 | 1.07E-04 | 1.21E-05 | 1.60E-04 | 1.71E-03 | 1.05E-04 | 1.05E-04 | 4.64E-05 |
| LUNGS | G | 1.03E-04 | 1.21E-06 | 7.12E-05 | 1.09E-05 | 1.17E-05 | 3.71E-06 | 3.52E-05 | 1.07E-04 | 9.42E-04 | 9.42E-04 | 5.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.84E-04 | 6.84E-04 | 0.0 |
| | T | 1.03E-04 | 1.21E-06 | 7.12E-05 | 1.09E-05 | 1.17E-05 | 3.71E-06 | 3.52E-05 | 1.07E-04 | 1.63E-03 | 1.63E-03 | 5.94E-05 |
| RESP LYM NODE | G | 1.03E-04 | 1.21E-06 | 7.12E-05 | 1.09E-05 | 1.17E-05 | 3.71E-06 | 3.52E-05 | 1.07E-04 | 9.35E-04 | 9.42E-04 | 5.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.79E-04 | 4.56E-02 | 0.0 |
| | T | 1.03E-04 | 1.21E-06 | 7.12E-05 | 1.09E-05 | 1.17E-05 | 3.71E-06 | 3.52E-05 | 1.07E-04 | 1.31E-03 | 4.65E-02 | 5.94E-05 |
| MUSCLE* | G | 6.79E-05 | 7.56E-05 | 5.95E-05 | 6.61E-05 | 6.21E-05 | 7.17E-05 | 6.18E-05 | 4.64E-05 | 5.94E-05 | 5.94E-05 | 6.95E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.44E-05 |
| | T | 6.79E-05 | 7.56E-05 | 5.95E-05 | 6.61E-05 | 6.21E-05 | 7.17E-05 | 6.18E-05 | 4.64E-05 | 5.94E-05 | 5.94E-05 | 9.39E-05 |
| OVARIES | G | 2.40E-05 | 3.07E-04 | 1.83E-05 | 4.48E-04 | 5.10E-04 | 8.90E-04 | 5.08E-05 | 1.91E-05 | 5.26E-06 | 5.26E-06 | 8.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.40E-05 | 3.07E-04 | 1.83E-05 | 4.48E-04 | 5.10E-04 | 8.90E-04 | 5.08E-05 | 1.91E-05 | 5.26E-06 | 5.26E-06 | 8.86E-05 |

44-RUTHENIUM-97 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.53E-04 | 1.25E-05 | 7.69E-04 | 8.44E-05 | 9.71E-05 | 2.90E-05 | 2.66E-04 | 1.63E-04 | 1.05E-04 | 1.05E-04 | 7.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.53E-04 | 1.25E-05 | 7.69E-04 | 8.44E-05 | 9.71E-05 | 2.90E-05 | 2.66E-04 | 1.63E-04 | 1.05E-04 | 1.05E-04 | 7.94E-05 |
| SKELETON BONE | G | 6.65E-05 | 3.02E-05 | 2.95E-05 | 4.07E-05 | 3.65E-05 | 5.37E-05 | 4.71E-05 | 3.69E-05 | 4.82E-05 | 4.82E-05 | 4.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.65E-05 | 3.02E-05 | 2.95E-05 | 4.07E-05 | 3.65E-05 | 5.37E-05 | 4.71E-05 | 3.69E-05 | 4.82E-05 | 4.82E-05 | 4.45E-05 |
| R MARROW | G | 1.21E-04 | 6.79E-05 | 5.25E-05 | 1.34E-04 | 1.14E-04 | 1.66E-04 | 1.22E-04 | 5.33E-05 | 6.11E-05 | 6.11E-05 | 6.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.21E-04 | 6.79E-05 | 5.25E-05 | 1.34E-04 | 1.14E-04 | 1.66E-04 | 1.22E-04 | 5.33E-05 | 6.11E-05 | 6.11E-05 | 6.85E-05 |
| Y MARROW | G | 6.41E-05 | 2.78E-05 | 4.09E-05 | 5.67E-05 | 5.19E-05 | 6.65E-05 | 5.81E-05 | 5.45E-05 | 5.03E-05 | 5.03E-05 | 5.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.41E-05 | 2.78E-05 | 4.09E-05 | 5.67E-05 | 5.19E-05 | 6.65E-05 | 5.81E-05 | 5.45E-05 | 5.03E-05 | 5.03E-05 | 5.39E-05 |
| T E CL | G | 6.65E-05 | 3.02E-05 | 2.95E-05 | 4.07E-05 | 3.65E-05 | 5.37E-05 | 4.71E-05 | 3.69E-05 | 4.82E-05 | 4.82E-05 | 4.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.65E-05 | 3.02E-05 | 2.95E-05 | 4.07E-05 | 3.65E-05 | 5.37E-05 | 4.71E-05 | 3.69E-05 | 4.82E-05 | 4.82E-05 | 4.45E-05 |
| SKIN | G | 2.50E-05 | 2.38E-05 | 2.02E-05 | 1.93E-05 | 1.94E-05 | 2.24E-05 | 2.49E-05 | 2.24E-05 | 2.51E-05 | 2.51E-05 | 3.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.50E-05 | 2.38E-05 | 2.02E-05 | 1.93E-05 | 1.94E-05 | 2.24E-05 | 2.49E-05 | 2.24E-05 | 2.51E-05 | 2.51E-05 | 3.68E-05 |
| SPLEEN | G | 2.76E-04 | 6.57E-06 | 4.13E-04 | 6.42E-05 | 5.68E-05 | 3.28E-05 | 3.76E-04 | 3.90E-05 | 9.60E-05 | 9.60E-05 | 6.36E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.76E-04 | 6.57E-06 | 4.13E-04 | 6.42E-05 | 5.68E-05 | 3.28E-05 | 3.76E-04 | 3.90E-05 | 9.60E-05 | 9.60E-05 | 6.36E-05 |
| TESTES | G | 2.07E-06 | 1.88E-04 | 2.58E-06 | 1.48E-05 | 1.43E-05 | 8.38E-05 | 5.06E-06 | 3.72E-06 | 6.00E-07 | 6.00E-07 | 4.97E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.07E-06 | 1.88E-04 | 2.58E-06 | 1.48E-05 | 1.43E-05 | 8.38E-05 | 5.06E-06 | 3.72E-06 | 6.00E-07 | 6.00E-07 | 4.97E-05 |
| THYMUS | G | 1.87E-05 | 8.01E-07 | 1.03E-05 | 4.66E-06 | 5.18E-06 | 1.71E-06 | 9.08E-06 | 2.99E-05 | 1.64E-04 | 1.64E-04 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.87E-05 | 8.01E-07 | 1.03E-05 | 4.66E-06 | 5.18E-06 | 1.71E-06 | 9.08E-06 | 2.99E-05 | 1.64E-04 | 1.64E-04 | 1.29E-04 |
| THYROID | G | 6.95E-06 | 1.88E-07 | 5.19E-06 | 1.05E-06 | 1.15E-06 | 4.22E-07 | 2.94E-06 | 9.23E-06 | 3.64E-05 | 3.64E-05 | 6.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.95E-06 | 1.88E-07 | 5.19E-06 | 1.05E-06 | 1.15E-06 | 4.22E-07 | 2.94E-06 | 9.23E-06 | 3.64E-05 | 3.64E-05 | 6.14E-05 |
| UTERUS | G | 8.84E-05 | 6.54E-04 | 3.46E-05 | 3.88E-04 | 1.93E-04 | 2.84E-04 | 4.36E-05 | 1.64E-05 | 4.06E-06 | 4.06E-06 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.84E-05 | 6.54E-04 | 3.46E-05 | 3.88E-04 | 1.93E-04 | 2.84E-04 | 4.36E-05 | 1.64E-05 | 4.06E-06 | 4.06E-06 | 1.06E-04 |
| T BODY | G | 7.76E-05 | 8.58E-05 | 8.16E-05 | 9.07E-05 | 8.82E-05 | 8.79E-05 | 7.79E-05 | 7.85E-05 | 6.88E-05 | 6.88E-05 | 6.49E-05 |
| | B | 9.77E-06 | 1.10E-06 | 2.93E-06 | 7.82E-06 | 4.66E-06 | 5.79E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 |
| | T | 8.74E-05 | 8.69E-05 | 8.46E-05 | 9.85E-05 | 9.29E-05 | 9.37E-05 | 8.77E-05 | 8.83E-05 | 7.85E-05 | 7.85E-05 | 7.47E-05 |

CONTINUED NEXT PAGE

44-RUTHENIUM-97 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.68E-05 | 3.43E-04 | 5.63E-05 | 5.63E-05 | 1.11E-04 | 5.88E-05 | 3.47E-05 | 2.70E-04 | 2.07E-06 | 6.95E-06 | 8.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 1.68E-05 | 3.43E-04 | 5.63E-05 | 5.63E-05 | 1.11E-04 | 5.88E-05 | 3.47E-05 | 2.70E-04 | 2.07E-06 | 6.95E-06 | 9.49E-05 |
| BLAD WALL | G | 2.83E-04 | 6.68E-06 | 2.04E-05 | 2.04E-05 | 3.13E-05 | 1.49E-05 | 2.28E-05 | 7.05E-06 | 1.99E-04 | 1.89E-07 | 8.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 2.83E-04 | 6.68E-06 | 2.04E-05 | 2.04E-05 | 3.13E-05 | 1.49E-05 | 2.28E-05 | 7.05E-06 | 1.99E-04 | 1.89E-07 | 9.32E-05 |
| GI TRACT S WALL | G | 3.28E-05 | 8.08E-04 | 2.41E-05 | 2.41E-05 | 4.56E-05 | 3.08E-05 | 2.36E-05 | 3.97E-04 | 2.35E-06 | 2.16E-06 | 8.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 3.28E-05 | 8.08E-04 | 2.41E-05 | 2.41E-05 | 4.56E-05 | 3.08E-05 | 2.36E-05 | 3.97E-04 | 2.35E-06 | 2.16E-06 | 9.69E-05 |
| SI+CONT | G | 5.17E-04 | 7.64E-05 | 3.20E-05 | 3.20E-05 | 1.09E-04 | 4.42E-05 | 2.04E-05 | 5.85E-05 | 1.80E-05 | 6.28E-07 | 9.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 5.17E-04 | 7.64E-05 | 3.20E-05 | 3.20E-05 | 1.09E-04 | 4.42E-05 | 2.04E-05 | 5.85E-05 | 1.80E-05 | 6.28E-07 | 1.00E-04 |
| ULI WALL | G | 5.25E-04 | 9.12E-05 | 3.10E-05 | 3.10E-05 | 8.78E-05 | 3.95E-05 | 1.99E-05 | 5.13E-05 | 1.51E-05 | 4.71E-07 | 8.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 5.25E-04 | 9.12E-05 | 3.10E-05 | 3.10E-05 | 8.78E-05 | 3.95E-05 | 1.99E-05 | 5.13E-05 | 1.51E-05 | 4.71E-07 | 9.32E-05 |
| LLI WALL | G | 6.72E-04 | 2.35E-05 | 4.45E-05 | 4.45E-05 | 1.24E-04 | 3.79E-05 | 2.12E-05 | 2.66E-05 | 1.15E-04 | 3.45E-07 | 7.92E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 6.72E-04 | 2.35E-05 | 4.45E-05 | 4.45E-05 | 1.24E-04 | 3.79E-05 | 2.12E-05 | 2.66E-05 | 1.15E-04 | 3.45E-07 | 8.90E-05 |
| KIDNEYS | G | 4.09E-05 | 2.63E-04 | 3.83E-05 | 3.83E-05 | 9.36E-05 | 4.63E-05 | 2.77E-05 | 3.80E-04 | 2.62E-06 | 1.69E-06 | 7.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 4.09E-05 | 2.63E-04 | 3.83E-05 | 3.83E-05 | 9.36E-05 | 4.63E-05 | 2.77E-05 | 3.80E-04 | 2.62E-06 | 1.69E-06 | 8.96E-05 |
| LIVER | G | 2.44E-05 | 1.80E-04 | 2.80E-05 | 2.80E-05 | 4.10E-05 | 4.17E-05 | 2.42E-05 | 4.26E-05 | 1.78E-06 | 5.16E-06 | 7.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 2.44E-05 | 1.80E-04 | 2.80E-05 | 2.80E-05 | 4.10E-05 | 4.17E-05 | 2.42E-05 | 4.26E-05 | 1.78E-06 | 5.16E-06 | 8.68E-05 |
| LUNGS | G | 3.19E-06 | 1.03E-04 | 4.09E-05 | 4.09E-05 | 5.07E-05 | 4.09E-05 | 2.68E-05 | 9.38E-05 | 5.21E-07 | 3.97E-05 | 6.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 3.19E-06 | 1.03E-04 | 4.09E-05 | 4.09E-05 | 5.07E-05 | 4.09E-05 | 2.68E-05 | 9.38E-05 | 5.21E-07 | 3.97E-05 | 7.76E-05 |
| RESP LYM NODE | G | 3.19E-06 | 1.03E-04 | 4.09E-05 | 4.09E-05 | 5.07E-05 | 4.09E-05 | 2.68E-05 | 9.38E-05 | 5.21E-07 | 3.97E-05 | 6.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 3.19E-06 | 1.03E-04 | 4.09E-05 | 4.09E-05 | 5.07E-05 | 4.09E-05 | 2.68E-05 | 9.38E-05 | 5.21E-07 | 3.97E-05 | 7.76E-05 |
| MUSCLE* | G | 8.86E-05 | 7.94E-05 | 4.45E-05 | 4.45E-05 | 5.31E-05 | 4.03E-05 | 3.68E-05 | 6.36E-05 | 4.97E-05 | 6.14E-05 | 6.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 8.86E-05 | 7.94E-05 | 4.45E-05 | 4.45E-05 | 5.31E-05 | 4.03E-05 | 3.68E-05 | 6.36E-05 | 4.97E-05 | 6.14E-05 | 7.47E-05 |
| OVARIES | G | 5.70E-02 | 1.36E-05 | 3.10E-05 | 3.10E-05 | 9.98E-05 | 5.57E-05 | 1.94E-05 | 2.62E-05 | 7.84E-47 | 4.03E-07 | 8.60E-05 |
| | B | 6.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 1.19E-01 | 1.36E-05 | 3.10E-05 | 3.10E-05 | 9.98E-05 | 5.57E-05 | 1.94E-05 | 2.62E-05 | 7.84E-47 | 4.03E-07 | 9.58E-05 |

44-RUTHENIUM-97 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.08E-05 | 1.37E-02 | 4.45E-05 | 4.45E-05 | 6.70E-05 | 5.48E-05 | 2.39E-05 | 8.35E-04 | 2.98E-06 | 4.34E-06 | 9.69E-05 |
| | B | 0.0 | 6.84E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 2.08E-05 | 2.06E-02 | 4.45E-05 | 4.45E-05 | 6.70E-05 | 5.48E-05 | 2.39E-05 | 8.35E-04 | 2.98E-06 | 4.34E-06 | 1.07E-04 |
| SKELETON BONE | G | 4.76E-05 | 4.54E-05 | 2.07E-04 | 2.07E-04 | 1.36E-04 | 1.56E-04 | 3.86E-05 | 3.76E-05 | 3.10E-05 | 3.40E-05 | 7.78E-05 |
| | B | 0.0 | 0.0 | 1.37E-04 | 1.09E-04 | 1.82E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 4.76E-05 | 4.54E-05 | 3.44E-04 | 3.16E-04 | 1.55E-04 | 1.56E-04 | 3.86E-05 | 3.76E-05 | 3.10E-05 | 3.40E-05 | 8.76E-05 |
| R MARROW | G | 1.63E-04 | 8.72E-05 | 1.90E-04 | 1.90E-04 | 4.71E-04 | 1.61E-04 | 3.65E-05 | 5.75E-05 | 2.53E-05 | 3.74E-05 | 8.76E-05 |
| | B | 0.0 | 0.0 | 1.29E-06 | 9.11E-05 | 3.92E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 1.63E-04 | 8.72E-05 | 1.91E-04 | 2.81E-04 | 8.63E-04 | 1.61E-04 | 3.65E-05 | 5.75E-05 | 2.53E-05 | 3.74E-05 | 9.74E-05 |
| Y MARROW | G | 6.35E-05 | 5.30E-05 | 1.85E-04 | 1.85E-04 | 1.77E-04 | 2.81E-04 | 4.11E-05 | 5.53E-05 | 1.23E-05 | 1.78E-05 | 7.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.56E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 6.35E-05 | 5.30E-05 | 1.85E-04 | 1.85E-04 | 1.77E-04 | 7.37E-04 | 4.11E-05 | 5.53E-05 | 1.23E-05 | 1.78E-05 | 8.33E-05 |
| T E CL | G | 4.76E-05 | 4.54E-05 | 2.06E-04 | 2.06E-04 | 1.92E-04 | 1.76E-04 | 3.86E-05 | 3.76E-05 | 3.10E-05 | 3.40E-05 | 7.79E-05 |
| | B | 0.0 | 0.0 | 5.33E-05 | 9.98E-05 | 1.62E-04 | 1.14E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 4.76E-05 | 4.54E-05 | 2.60E-04 | 3.06E-04 | 3.53E-04 | 2.90E-04 | 3.86E-05 | 3.76E-05 | 3.10E-05 | 3.40E-05 | 8.77E-05 |
| SKIN | G | 1.92E-05 | 1.85E-05 | 3.22E-05 | 3.22E-05 | 2.92E-05 | 3.59E-05 | 1.21E-04 | 2.17E-05 | 6.93E-05 | 3.52E-05 | 3.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 1.92E-05 | 1.85E-05 | 3.22E-05 | 3.22E-05 | 2.92E-05 | 3.59E-05 | 3.84E-04 | 2.17E-05 | 6.93E-05 | 3.52E-05 | 4.84E-05 |
| SPLEEN | G | 2.37E-05 | 8.48E-04 | 2.87E-05 | 2.87E-05 | 3.78E-05 | 4.36E-05 | 2.45E-05 | 7.72E-03 | 1.45E-06 | 5.08E-06 | 8.13E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.80E-03 | 0.0 | 0.0 | 9.77E-06 |
| | T | 2.37E-05 | 8.48E-04 | 2.87E-05 | 2.87E-05 | 3.78E-05 | 4.36E-05 | 2.45E-05 | 1.15E-02 | 1.45E-06 | 5.08E-06 | 9.11E-05 |
| TESTES | G | 7.84E-47 | 3.12E-06 | 2.55E-05 | 2.55E-05 | 1.31E-05 | 4.41E-05 | 4.81E-05 | 2.98E-06 | 2.34E-02 | 5.50E-08 | 5.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.95E-02 | 0.0 | 9.77E-06 |
| | T | 7.84E-47 | 3.12E-06 | 2.55E-05 | 2.55E-05 | 1.31E-05 | 4.41E-05 | 4.81E-05 | 2.98E-06 | 4.30E-02 | 5.50E-08 | 6.54E-05 |
| THYMUS | G | 1.74E-06 | 3.36E-05 | 2.11E-05 | 2.11E-05 | 2.99E-05 | 2.91E-05 | 2.99E-05 | 1.60E-05 | 2.25E-07 | 1.76E-04 | 1.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 1.74E-06 | 3.36E-05 | 2.11E-05 | 2.11E-05 | 2.99E-05 | 2.91E-05 | 2.99E-05 | 1.60E-05 | 2.25E-07 | 1.76E-04 | 1.17E-04 |
| THYROID | G | 4.03E-07 | 6.51E-06 | 3.92E-05 | 3.92E-05 | 3.11E-05 | 4.64E-05 | 3.34E-05 | 4.98E-06 | 5.51E-08 | 3.29E-02 | 6.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.42E-02 | 9.77E-06 |
| | T | 4.03E-07 | 6.51E-06 | 3.92E-05 | 3.92E-05 | 3.11E-05 | 4.64E-05 | 3.34E-05 | 4.98E-06 | 5.51E-08 | 6.71E-02 | 7.13E-05 |
| UTERUS | G | 8.75E-04 | 2.66E-05 | 2.57E-05 | 2.57E-05 | 9.32E-05 | 2.62E-05 | 1.71E-05 | 1.68E-05 | 7.84E-47 | 3.77E-07 | 9.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.77E-06 |
| | T | 8.75E-04 | 2.66E-05 | 2.57E-05 | 2.57E-05 | 9.32E-05 | 2.62E-05 | 1.71E-05 | 1.68E-05 | 7.84E-47 | 3.77E-07 | 1.04E-04 |
| T BODY | G | 9.23E-05 | 9.05E-05 | 6.76E-05 | 6.76E-05 | 7.42E-05 | 5.98E-05 | 3.88E-05 | 7.84E-05 | 6.49E-05 | 6.08E-05 | 6.66E-05 |
| | B | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 | 9.77E-06 |
| | T | 1.02E-04 | 1.00E-04 | 7.74E-05 | 7.74E-05 | 8.40E-05 | 6.95E-05 | 4.86E-05 | 8.81E-05 | 7.47E-05 | 7.06E-05 | 7.64E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-PHELPS, M. E. AND SARANTITES, D. G., NUCL. PHYS. A171, 44 (1971)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 44-RUTHENIUM-103 (TR=3.960E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.87E-02 | 1.95E-05 | 1.79E-04 | 1.05E-04 | 8.49E-05 | 4.17E-05 | 1.05E-03 | 4.12E-04 | 2.06E-04 | 2.06E-04 | 1.29E-04 |
| | B | 2.33E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.72E-01 | 1.95E-05 | 1.79E-04 | 1.05E-04 | 8.49E-05 | 4.17E-05 | 1.05E-03 | 4.12E-04 | 2.06E-04 | 2.06E-04 | 1.29E-04 |
| BLAD WALL | G | 9.24E-06 | 6.27E-03 | 3.85E-05 | 2.86E-04 | 1.61E-04 | 4.74E-04 | 3.23E-05 | 2.91E-05 | 6.24E-06 | 6.24E-06 | 1.50E-04 |
| | B | 0.0 | 8.17E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.24E-06 | 1.44E-02 | 3.85E-05 | 2.86E-04 | 1.61E-04 | 4.74E-04 | 3.23E-05 | 2.91E-05 | 6.24E-06 | 6.24E-06 | 1.50E-04 |
| GI TRACT S WALL | G | 2.48E-04 | 2.73E-05 | 4.39E-03 | 2.86E-04 | 3.05E-04 | 1.52E-04 | 2.83E-04 | 1.59E-04 | 1.55E-04 | 1.55E-04 | 1.19E-04 |
| | B | 0.0 | 0.0 | 6.53E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.48E-04 | 2.73E-05 | 1.09E-02 | 2.86E-04 | 3.05E-04 | 1.52E-04 | 2.83E-04 | 1.59E-04 | 1.55E-04 | 1.55E-04 | 1.19E-04 |
| SI+CONT | G | 8.09E-05 | 2.20E-04 | 2.22E-04 | 2.62E-03 | 1.37E-03 | 7.53E-04 | 2.31E-04 | 1.33E-04 | 2.34E-05 | 2.34E-05 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 4.08E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.09E-05 | 2.20E-04 | 2.22E-04 | 6.70E-03 | 1.37E-03 | 7.53E-04 | 2.31E-04 | 1.33E-04 | 2.34E-05 | 2.34E-05 | 1.31E-04 |
| ULI WALL | G | 8.83E-05 | 2.00E-04 | 2.77E-04 | 1.92E-03 | 3.60E-03 | 3.56E-04 | 2.42E-04 | 2.16E-04 | 3.22E-05 | 3.22E-05 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.42E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.83E-05 | 2.00E-04 | 2.77E-04 | 1.92E-03 | 1.10E-02 | 3.56E-04 | 2.42E-04 | 2.16E-04 | 3.22E-05 | 3.22E-05 | 1.37E-04 |
| LLI WALL | G | 2.99E-05 | 5.97E-04 | 1.07E-04 | 5.69E-04 | 2.52E-04 | 4.35E-03 | 7.42E-05 | 2.73E-05 | 6.64E-06 | 6.64E-06 | 1.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.21E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.99E-05 | 5.97E-04 | 1.07E-04 | 5.69E-04 | 2.52E-04 | 1.64E-02 | 7.42E-05 | 2.73E-05 | 6.64E-06 | 6.64E-06 | 1.43E-04 |
| KIDNEYS | G | 9.68E-04 | 3.25E-05 | 2.77E-04 | 2.67E-04 | 2.29E-04 | 6.98E-05 | 6.19E-03 | 3.17E-04 | 8.83E-05 | 8.83E-05 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.68E-04 | 3.25E-05 | 2.77E-04 | 2.67E-04 | 2.29E-04 | 6.98E-05 | 1.67E-02 | 3.17E-04 | 8.83E-05 | 8.83E-05 | 1.21E-04 |
| LIVER | G | 4.12E-04 | 2.39E-05 | 1.72E-04 | 1.52E-04 | 2.07E-04 | 2.92E-05 | 3.37E-04 | 2.17E-03 | 2.01E-04 | 2.01E-04 | 9.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.81E-03 | 0.0 | 0.0 | 0.0 |
| | T | 4.12E-04 | 2.39E-05 | 1.72E-04 | 1.52E-04 | 2.07E-04 | 2.92E-05 | 3.37E-04 | 3.98E-03 | 2.01E-04 | 2.01E-04 | 9.43E-05 |
| LUNGS | G | 1.96E-04 | 4.08E-06 | 1.57E-04 | 2.83E-05 | 2.87E-05 | 8.62E-06 | 8.03E-05 | 2.02E-04 | 1.23E-03 | 1.23E-03 | 1.13E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.27E-03 | 3.27E-03 | 0.0 |
| | T | 1.96E-04 | 4.08E-06 | 1.57E-04 | 2.83E-05 | 2.87E-05 | 8.62E-06 | 8.03E-05 | 2.02E-04 | 4.50E-03 | 4.50E-03 | 1.13E-04 |
| RESP LYM NODE | G | 1.96E-04 | 4.08E-06 | 1.57E-04 | 2.83E-05 | 2.87E-05 | 8.62E-06 | 8.03E-05 | 2.02E-04 | 1.23E-03 | 1.23E-03 | 1.13E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.26E-03 | 2.18E-01 | 0.0 |
| | T | 1.96E-04 | 4.08E-06 | 1.57E-04 | 2.83E-05 | 2.87E-05 | 8.62E-06 | 8.03E-05 | 2.02E-04 | 4.49E-03 | 2.19E-01 | 1.13E-04 |
| MUSCLE* | G | 1.29E-04 | 1.50E-04 | 1.19E-04 | 1.31E-04 | 1.25E-04 | 1.43E-04 | 1.21E-04 | 9.43E-05 | 1.13E-04 | 1.13E-04 | 1.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-04 |
| | T | 1.29E-04 | 1.50E-04 | 1.19E-04 | 1.31E-04 | 1.25E-04 | 1.43E-04 | 1.21E-04 | 9.43E-05 | 1.13E-04 | 1.13E-04 | 2.45E-04 |
| OVARIES | G | 4.61E-05 | 5.30E-04 | 4.30E-05 | 7.39E-04 | 1.07E-03 | 1.34E-03 | 9.77E-05 | 1.71E-05 | 1.29E-05 | 1.29E-05 | 1.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.61E-05 | 5.30E-04 | 4.30E-05 | 7.39E-04 | 1.07E-03 | 1.34E-03 | 9.77E-05 | 1.71E-05 | 1.29E-05 | 1.29E-05 | 1.68E-04 |

44-RUTHENIUM-103 CONTINUED

S O U R C E  O R G A N S

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 7.07E-04 | 2.20E-05 | 1.47E-03 | 1.76E-04 | 1.51E-04 | 6.31E-05 | 5.52E-04 | 4.04E-04 | 2.35E-04 | 2.35E-04 | 1.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.07E-04 | 2.20E-05 | 1.47E-03 | 1.76E-04 | 1.51E-04 | 6.31E-05 | 5.52E-04 | 4.04E-04 | 2.35E-04 | 2.35E-04 | 1.52E-04 |
| SKELETON BONE | G | 1.16E-04 | 4.99E-05 | 5.12E-05 | 6.63E-05 | 6.13E-05 | 8.83E-05 | 8.33E-05 | 6.22E-05 | 8.48E-05 | 8.48E-05 | 9.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-04 | 4.99E-05 | 5.12E-05 | 6.63E-05 | 6.13E-05 | 8.83E-05 | 8.33E-05 | 6.22E-05 | 8.48E-05 | 8.48E-05 | 9.35E-05 |
| R MARROW | G | 2.07E-04 | 1.06E-04 | 8.86E-05 | 2.11E-04 | 1.83E-04 | 2.64E-04 | 2.11E-04 | 9.14E-05 | 1.07E-04 | 1.07E-04 | 1.17E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.07E-04 | 1.06E-04 | 8.86E-05 | 2.11E-04 | 1.83E-04 | 2.64E-04 | 2.11E-04 | 9.14E-05 | 1.07E-04 | 1.07E-04 | 1.17E-04 |
| Y MARROW | G | 1.12E-04 | 4.56E-05 | 7.12E-05 | 9.19E-05 | 8.69E-05 | 1.09E-04 | 1.04E-04 | 9.10E-05 | 8.93E-05 | 8.93E-05 | 9.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-04 | 4.56E-05 | 7.12E-05 | 9.19E-05 | 8.69E-05 | 1.09E-04 | 1.04E-04 | 9.10E-05 | 8.93E-05 | 8.93E-05 | 9.51E-05 |
| T E CL | G | 1.16E-04 | 4.99E-05 | 5.12E-05 | 6.63E-05 | 6.13E-05 | 8.83E-05 | 8.33E-05 | 6.22E-05 | 8.48E-05 | 8.48E-05 | 9.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-04 | 4.99E-05 | 5.12E-05 | 6.63E-05 | 6.13E-05 | 8.83E-05 | 8.33E-05 | 6.22E-05 | 8.48E-05 | 8.48E-05 | 9.35E-05 |
| SKIN | G | 5.74E-05 | 5.49E-05 | 5.00E-05 | 4.48E-05 | 4.69E-05 | 4.96E-05 | 5.61E-05 | 5.09E-05 | 5.74E-05 | 5.74E-05 | 7.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.74E-05 | 5.49E-05 | 5.00E-05 | 4.48E-05 | 4.69E-05 | 4.96E-05 | 5.61E-05 | 5.09E-05 | 5.74E-05 | 5.74E-05 | 7.70E-05 |
| SPLEEN | G | 5.43E-04 | 1.91E-05 | 8.00E-04 | 1.32E-04 | 1.04E-04 | 7.94E-05 | 6.99E-04 | 8.44E-05 | 1.80E-04 | 1.80E-04 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.43E-04 | 1.91E-05 | 8.00E-04 | 1.32E-04 | 1.04E-04 | 7.94E-05 | 6.99E-04 | 8.44E-05 | 1.80E-04 | 1.80E-04 | 1.24E-04 |
| TESTES | G | 5.99E-06 | 4.29E-04 | 2.22E-06 | 3.07E-05 | 4.34E-05 | 1.74E-04 | 1.27E-05 | 9.77E-06 | 2.07E-06 | 2.07E-06 | 1.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.99E-06 | 4.29E-04 | 2.22E-06 | 3.07E-05 | 4.34E-05 | 1.74E-04 | 1.27E-05 | 9.77E-06 | 2.07E-06 | 2.07E-06 | 1.05E-04 |
| THYMUS | G | 7.96E-05 | 2.70E-06 | 2.00E-05 | 1.18E-05 | 1.29E-05 | 4.92E-06 | 3.39E-05 | 1.12E-04 | 3.09E-04 | 3.09E-04 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.96E-05 | 2.70E-06 | 2.00E-05 | 1.18E-05 | 1.29E-05 | 4.92E-06 | 3.39E-05 | 1.12E-04 | 3.09E-04 | 3.09E-04 | 1.42E-04 |
| THYROID | G | 1.67E-05 | 8.06E-07 | 1.29E-05 | 3.38E-06 | 3.62E-06 | 1.54E-06 | 8.02E-06 | 1.56E-05 | 1.02E-04 | 1.02E-04 | 1.17E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.67E-05 | 8.06E-07 | 1.29E-05 | 3.38E-06 | 3.62E-06 | 1.54E-06 | 8.02E-06 | 1.56E-05 | 1.02E-04 | 1.02E-04 | 1.17E-04 |
| UTERUS | G | 3.35E-05 | 1.25E-03 | 7.55E-05 | 7.33E-04 | 3.77E-04 | 4.70E-04 | 7.05E-05 | 3.70E-05 | 8.10E-06 | 8.10E-06 | 1.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.35E-05 | 1.25E-03 | 7.55E-05 | 7.33E-04 | 3.77E-04 | 4.70E-04 | 7.05E-05 | 3.70E-05 | 8.10E-06 | 8.10E-06 | 1.60E-04 |
| T BODY | G | 1.42E-04 | 1.58E-04 | 1.50E-04 | 1.65E-04 | 1.61E-04 | 1.60E-04 | 1.43E-04 | 1.44E-04 | 1.22E-04 | 1.22E-04 | 1.22E-04 |
| | B | 4.67E-05 | 5.25E-06 | 1.40E-05 | 3.73E-05 | 2.23E-05 | 2.76E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 |
| | T | 1.89E-04 | 1.63E-04 | 1.64E-04 | 2.02E-04 | 1.83E-04 | 1.88E-04 | 1.90E-04 | 1.90E-04 | 1.69E-04 | 1.69E-04 | 1.68E-04 |

CONTINUED NEXT PAGE

44-RUTHENIUM-103 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 5.13E-05 | 7.15E-04 | 1.43E-04 | 1.43E-04 | 1.46E-04 | 9.06E-05 | 5.58E-05 | 5.09E-04 | 5.99E-06 | 1.67E-05 | 1.93E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 5.13E-05 | 7.15E-04 | 1.43E-04 | 1.43E-04 | 1.46E-04 | 9.06E-05 | 5.58E-05 | 5.09E-04 | 5.99E-06 | 1.67E-05 | 2.40E-04 |
| BLAD WALL | G | 5.62E-04 | 1.66E-05 | 5.55E-05 | 5.55E-05 | 5.74E-05 | 2.18E-05 | 5.30E-05 | 1.14E-05 | 4.29E-04 | 8.12E-07 | 1.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 5.62E-04 | 1.66E-05 | 5.55E-05 | 5.55E-05 | 5.74E-05 | 2.18E-05 | 5.30E-05 | 1.14E-05 | 4.29E-04 | 8.12E-07 | 2.00E-04 |
| GI TRACT S WALL | G | 7.08E-05 | 1.43E-03 | 4.95E-05 | 4.95E-05 | 8.39E-05 | 6.27E-05 | 5.47E-05 | 8.28E-04 | 9.86E-06 | 1.08E-05 | 1.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 7.08E-05 | 1.43E-03 | 4.95E-05 | 4.95E-05 | 8.39E-05 | 6.27E-05 | 5.47E-05 | 8.28E-04 | 9.86E-06 | 1.08E-05 | 1.97E-04 |
| SI+CONT | G | 9.98E-04 | 1.49E-04 | 6.79E-05 | 6.79E-05 | 2.27E-04 | 8.90E-05 | 4.66E-05 | 1.17E-04 | 4.52E-05 | 6.60E-07 | 1.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 9.98E-04 | 1.49E-04 | 6.79E-05 | 6.79E-05 | 2.27E-04 | 8.90E-05 | 4.66E-05 | 1.17E-04 | 4.52E-05 | 6.60E-07 | 2.14E-04 |
| ULI WALL | G | 9.36E-04 | 1.82E-04 | 5.91E-05 | 5.91E-05 | 1.75E-04 | 7.24E-05 | 4.91E-05 | 1.18E-04 | 2.72E-05 | 9.37E-07 | 1.65E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 9.36E-04 | 1.82E-04 | 5.91E-05 | 5.91E-05 | 1.75E-04 | 7.24E-05 | 4.91E-05 | 1.18E-04 | 2.72E-05 | 9.37E-07 | 2.12E-04 |
| LLI WALL | G | 1.20E-03 | 4.51E-05 | 7.98E-05 | 7.98E-05 | 2.60E-04 | 6.97E-05 | 5.09E-05 | 5.90E-05 | 2.40E-04 | 1.28E-06 | 1.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 1.20E-03 | 4.51E-05 | 7.98E-05 | 7.98E-05 | 2.60E-04 | 6.97E-05 | 5.09E-05 | 5.90E-05 | 2.40E-04 | 1.28E-06 | 2.14E-04 |
| KIDNEYS | G | 9.59E-05 | 5.23E-04 | 7.69E-05 | 7.69E-05 | 2.00E-04 | 1.03E-04 | 6.35E-05 | 7.17E-04 | 8.63E-06 | 4.23E-06 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 9.59E-05 | 5.23E-04 | 7.69E-05 | 7.69E-05 | 2.00E-04 | 1.03E-04 | 6.35E-05 | 7.17E-04 | 8.63E-06 | 4.23E-06 | 1.95E-04 |
| LIVER | G | 5.17E-05 | 3.46E-04 | 5.97E-05 | 5.97E-05 | 8.62E-05 | 9.24E-05 | 5.73E-05 | 9.05E-05 | 4.41E-06 | 1.35E-05 | 1.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 5.17E-05 | 3.46E-04 | 5.97E-05 | 5.97E-05 | 8.62E-05 | 9.24E-05 | 5.73E-05 | 9.05E-05 | 4.41E-06 | 1.35E-05 | 1.94E-04 |
| LUNGS | G | 9.54E-06 | 2.01E-04 | 8.29E-05 | 8.29E-05 | 1.01E-04 | 8.44E-05 | 5.74E-05 | 1.85E-04 | 1.23E-06 | 8.99E-05 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 9.54E-06 | 2.01E-04 | 8.29E-05 | 8.29E-05 | 1.01E-04 | 8.44E-05 | 5.74E-05 | 1.85E-04 | 1.23E-06 | 8.99E-05 | 1.78E-04 |
| RESP LYM NODE | G | 9.54E-06 | 2.01E-04 | 8.29E-05 | 8.29E-05 | 1.01E-04 | 8.44E-05 | 5.74E-05 | 1.85E-04 | 1.23E-06 | 8.99E-05 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 9.54E-06 | 2.01E-04 | 8.29E-05 | 8.29E-05 | 1.01E-04 | 8.44E-05 | 5.74E-05 | 1.85E-04 | 1.23E-06 | 8.99E-05 | 1.78E-04 |
| MUSCLE* | G | 1.68E-04 | 1.52E-04 | 9.35E-05 | 9.35E-05 | 1.10E-04 | 8.72E-05 | 7.70E-05 | 1.24E-04 | 1.05E-04 | 1.17E-04 | 1.22E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 1.68E-04 | 1.52E-04 | 9.35E-05 | 9.35E-05 | 1.10E-04 | 8.72E-05 | 7.70E-05 | 1.24E-04 | 1.05E-04 | 1.17E-04 | 1.68E-04 |
| OVARIES | G | 6.43E-02 | 3.23E-05 | 9.13E-05 | 9.13E-05 | 3.03E-04 | 7.18E-05 | 2.57E-05 | 8.94E-05 | 1.40E-48 | 1.53E-06 | 1.43E-04 |
| | B | 2.97E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 3.61E-01 | 3.23E-05 | 9.13E-05 | 9.13E-05 | 3.03E-04 | 7.18E-05 | 2.57E-05 | 8.94E-05 | 1.40E-48 | 1.53E-06 | 1.89E-04 |

44-RUTHENIUM-103 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.70E-05 | 1.79E-02 | 7.66E-05 | 7.66E-05 | 1.45E-04 | 1.11E-04 | 4.94E-05 | 1.64E-03 | 3.27E-06 | 5.75E-06 | 1.46E-04 |
| | B | 0.0 | 3.27E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 4.70E-05 | 5.06E-02 | 7.66E-05 | 7.66E-05 | 1.45E-04 | 1.11E-04 | 4.94E-05 | 1.64E-03 | 3.27E-06 | 5.75E-06 | 1.93E-04 |
| SKELETON BONE | G | 7.81E-05 | 7.78E-05 | 2.94E-04 | 2.94E-04 | 1.97E-04 | 2.18E-04 | 7.18E-05 | 6.50E-05 | 5.60E-05 | 6.40E-05 | 1.27E-04 |
| | B | 0.0 | 0.0 | 6.53E-04 | 5.51E-04 | 6.78E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 7.81E-05 | 7.78E-05 | 9.47E-04 | 8.45E-04 | 2.65E-04 | 2.18E-04 | 7.18E-05 | 6.50E-05 | 5.60E-05 | 6.40E-05 | 1.73E-04 |
| R MARROW | G | 2.61E-04 | 1.47E-04 | 2.61E-04 | 2.61E-04 | 6.31E-04 | 2.26E-04 | 6.69E-05 | 9.59E-05 | 4.46E-05 | 7.08E-05 | 1.40E-04 |
| | B | 0.0 | 0.0 | 4.44E-06 | 3.39E-04 | 1.94E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 2.61E-04 | 1.47E-04 | 2.66E-04 | 6.00E-04 | 2.57E-03 | 2.26E-04 | 6.69E-05 | 9.59E-05 | 4.46E-05 | 7.08E-05 | 1.86E-04 |
| Y MARROW | G | 1.05E-04 | 9.13E-05 | 2.53E-04 | 2.53E-04 | 2.42E-04 | 3.70E-04 | 7.61E-05 | 9.80E-05 | 2.40E-05 | 3.39E-05 | 1.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.18E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 1.05E-04 | 9.13E-05 | 2.53E-04 | 2.53E-04 | 2.42E-04 | 2.55E-03 | 7.61E-05 | 9.80E-05 | 2.40E-05 | 3.39E-05 | 1.65E-04 |
| T E CL | G | 7.81E-05 | 7.78E-05 | 2.94E-04 | 2.94E-04 | 2.65E-04 | 2.41E-04 | 7.18E-05 | 6.50E-05 | 5.60E-05 | 6.40E-05 | 1.27E-04 |
| | B | 0.0 | 0.0 | 3.41E-04 | 6.87E-04 | 6.31E-04 | 5.44E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 7.81E-05 | 7.78E-05 | 6.34E-04 | 9.81E-04 | 8.96E-04 | 7.85E-04 | 7.18E-05 | 6.50E-05 | 5.60E-05 | 6.40E-05 | 1.73E-04 |
| SKIN | G | 4.44E-05 | 4.28E-05 | 7.34E-05 | 7.34E-05 | 6.33E-05 | 8.21E-05 | 1.70E-04 | 5.34E-05 | 1.34E-04 | 7.28E-05 | 7.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E-03 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 4.44E-05 | 4.28E-05 | 7.34E-05 | 7.34E-05 | 6.33E-05 | 8.21E-05 | 1.43E-03 | 5.34E-05 | 1.34E-04 | 7.28E-05 | 1.22E-04 |
| SPLEEN | G | 5.86E-05 | 1.61E-03 | 7.10E-05 | 7.10E-05 | 6.81E-05 | 8.26E-05 | 5.58E-05 | 1.10E-02 | 1.10E-05 | 1.09E-05 | 1.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.81E-02 | 0.0 | 0.0 | 4.67E-05 |
| | T | 5.86E-05 | 1.61E-03 | 7.10E-05 | 7.10E-05 | 6.81E-05 | 8.26E-05 | 5.58E-05 | 2.92E-02 | 1.10E-05 | 1.09E-05 | 1.98E-04 |
| TESTES | G | 1.40E-48 | 5.37E-06 | 4.86E-05 | 4.86E-05 | 3.64E-05 | 8.21E-05 | 7.04E-05 | 8.08E-06 | 3.02E-02 | 2.89E-07 | 1.58E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.33E-02 | 0.0 | 4.67E-05 |
| | T | 1.40E-48 | 5.37E-06 | 4.86E-05 | 4.86E-05 | 3.64E-05 | 8.21E-05 | 7.04E-05 | 8.08E-06 | 1.24E-01 | 2.89E-07 | 2.05E-04 |
| THYMUS | G | 5.17E-06 | 4.52E-05 | 6.45E-05 | 6.45E-05 | 3.81E-05 | 3.12E-05 | 7.29E-05 | 4.06E-05 | 9.41E-07 | 3.72E-04 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 5.17E-06 | 4.52E-05 | 6.45E-05 | 6.45E-05 | 3.81E-05 | 3.12E-05 | 7.29E-05 | 4.06E-05 | 9.41E-07 | 3.72E-04 | 1.75E-04 |
| THYROID | G | 1.53E-06 | 1.57E-05 | 9.35E-05 | 9.35E-05 | 7.64E-05 | 3.80E-05 | 7.06E-05 | 1.25E-05 | 2.89E-07 | 4.07E-02 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.63E-01 | 4.67E-05 |
| | T | 1.53E-06 | 1.57E-05 | 9.35E-05 | 9.35E-05 | 7.64E-05 | 3.80E-05 | 7.06E-05 | 1.25E-05 | 2.89E-07 | 2.04E-01 | 1.68E-04 |
| UTERUS | G | 1.52E-03 | 5.31E-05 | 4.89E-05 | 4.89E-05 | 1.61E-04 | 5.63E-05 | 4.81E-05 | 3.96E-05 | 1.40E-48 | 1.45E-06 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.67E-05 |
| | T | 1.52E-03 | 5.31E-05 | 4.89E-05 | 4.89E-05 | 1.61E-04 | 5.63E-05 | 4.81E-05 | 3.96E-05 | 1.40E-48 | 1.45E-06 | 1.94E-04 |
| T BODY | G | 1.69E-04 | 1.65E-04 | 1.21E-04 | 1.21E-04 | 1.35E-04 | 1.09E-04 | 7.73E-05 | 1.43E-04 | 1.20E-04 | 1.10E-04 | 1.22E-04 |
| | B | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 | 4.67E-05 |
| | T | 2.15E-04 | 2.12E-04 | 1.68E-04 | 1.68E-04 | 1.81E-04 | 1.55E-04 | 1.24E-04 | 1.89E-04 | 1.67E-04 | 1.57E-04 | 1.69E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-ZOLLER, W. H. ET AL., NUCL. PHYS. A130, 293 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 44-RUTHENIUM-105 (TR=4.440E 00 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 6.07E-02 | 3.16E-05 | 2.88E-04 | 1.67E-04 | 1.45E-04 | 6.59E-05 | 1.62E-03 | 6.48E-04 | 3.22E-04 | 3.22E-04 | 2.03E-04 |
| | B | 1.47E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.53E 00 | 3.16E-05 | 2.88E-04 | 1.67E-04 | 1.45E-04 | 6.59E-05 | 1.62E-03 | 6.48E-04 | 3.22E-04 | 3.22E-04 | 2.03E-04 |
| BLAD WALL | G | 2.15E-05 | 9.57E-03 | 6.05E-05 | 3.87E-04 | 2.67E-04 | 7.32E-04 | 5.48E-05 | 3.68E-05 | 1.05E-05 | 1.05E-05 | 2.36E-04 |
| | B | 0.0 | 5.15E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.15E-05 | 6.10E-02 | 6.05E-05 | 3.87E-04 | 2.67E-04 | 7.32E-04 | 5.48E-05 | 3.68E-05 | 1.05E-05 | 1.05E-05 | 2.36E-04 |
| GI TRACT S WALL | G | 3.93E-04 | 5.33E-05 | 6.84E-03 | 4.58E-04 | 4.79E-04 | 2.28E-04 | 4.44E-04 | 2.56E-04 | 2.50E-04 | 2.50E-04 | 1.87E-04 |
| | B | 0.0 | 0.0 | 4.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.93E-04 | 5.33E-05 | 4.80E-02 | 4.58E-04 | 4.79E-04 | 2.28E-04 | 4.44E-04 | 2.56E-04 | 2.50E-04 | 2.50E-04 | 1.87E-04 |
| SI+CONT | G | 1.27E-04 | 3.55E-04 | 3.45E-04 | 4.05E-03 | 2.14E-03 | 1.18E-03 | 3.68E-04 | 2.12E-04 | 3.85E-05 | 3.85E-05 | 2.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 2.57E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.27E-04 | 3.55E-04 | 3.45E-04 | 2.98E-02 | 2.14E-03 | 1.18E-03 | 3.68E-04 | 2.12E-04 | 3.85E-05 | 3.85E-05 | 2.06E-04 |
| ULI WALL | G | 1.43E-04 | 2.95E-04 | 4.26E-04 | 3.01E-03 | 5.67E-03 | 5.46E-04 | 3.81E-04 | 3.31E-04 | 5.12E-05 | 5.12E-05 | 2.17E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.43E-04 | 2.95E-04 | 4.26E-04 | 3.01E-03 | 5.24E-02 | 5.46E-04 | 3.81E-04 | 3.31E-04 | 5.12E-05 | 5.12E-05 | 2.17E-04 |
| LLI WALL | G | 4.13E-05 | 9.14E-04 | 1.75E-04 | 9.00E-04 | 4.12E-04 | 6.75E-03 | 1.17E-04 | 4.01E-05 | 1.17E-05 | 1.17E-05 | 2.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.62E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.13E-05 | 9.14E-04 | 1.75E-04 | 9.00E-04 | 4.12E-04 | 8.30E-02 | 1.17E-04 | 4.01E-05 | 1.17E-05 | 1.17E-05 | 2.25E-04 |
| KIDNEYS | G | 1.51E-03 | 4.92E-05 | 4.39E-04 | 4.20E-04 | 3.69E-04 | 1.17E-04 | 9.52E-03 | 4.96E-04 | 1.35E-04 | 1.35E-04 | 1.91E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.64E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.51E-03 | 4.92E-05 | 4.39E-04 | 4.20E-04 | 3.69E-04 | 1.17E-04 | 7.59E-02 | 4.96E-04 | 1.35E-04 | 1.35E-04 | 1.91E-04 |
| LIVER | G | 6.40E-04 | 3.83E-05 | 2.67E-04 | 2.44E-04 | 3.30E-04 | 4.77E-05 | 5.20E-04 | 3.37E-03 | 3.17E-04 | 3.17E-04 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-02 | 0.0 | 0.0 | 0.0 |
| | T | 6.40E-04 | 3.83E-05 | 2.67E-04 | 2.44E-04 | 3.30E-04 | 4.77E-05 | 5.20E-04 | 1.48E-02 | 3.17E-04 | 3.17E-04 | 1.49E-04 |
| LUNGS | G | 3.13E-04 | 7.89E-06 | 2.41E-04 | 4.48E-05 | 4.84E-05 | 1.64E-05 | 1.28E-04 | 3.21E-04 | 1.91E-03 | 1.91E-03 | 1.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.06E-02 | 2.06E-02 | 0.0 |
| | T | 3.13E-04 | 7.89E-06 | 2.41E-04 | 4.48E-05 | 4.84E-05 | 1.64E-05 | 1.28E-04 | 3.21E-04 | 2.25E-02 | 2.25E-02 | 1.77E-04 |
| RESP LYM NODE | G | 3.13E-04 | 7.89E-06 | 2.41E-04 | 4.48E-05 | 4.84E-05 | 1.64E-05 | 1.28E-04 | 3.21E-04 | 1.91E-03 | 1.91E-03 | 1.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.06E-02 | 1.37E 00 | 0.0 |
| | T | 3.13E-04 | 7.89E-06 | 2.41E-04 | 4.48E-05 | 4.84E-05 | 1.64E-05 | 1.28E-04 | 3.21E-04 | 2.25E-02 | 1.37E 00 | 1.77E-04 |
| MUSCLE* | G | 2.03E-04 | 2.36E-04 | 1.87E-04 | 2.06E-04 | 1.97E-04 | 2.25E-04 | 1.91E-04 | 1.49E-04 | 1.77E-04 | 1.77E-04 | 2.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-04 |
| | T | 2.03E-04 | 2.36E-04 | 1.87E-04 | 2.06E-04 | 1.97E-04 | 2.25E-04 | 1.91E-04 | 1.49E-04 | 1.77E-04 | 1.77E-04 | 9.36E-04 |
| OVARIES | G | 7.33E-05 | 7.61E-04 | 1.12E-04 | 1.25E-03 | 1.43E-03 | 2.20E-03 | 1.77E-04 | 5.48E-05 | 2.11E-05 | 2.11E-05 | 2.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.33E-05 | 7.61E-04 | 1.12E-04 | 1.25E-03 | 1.43E-03 | 2.20E-03 | 1.77E-04 | 5.48E-05 | 2.11E-05 | 2.11E-05 | 2.63E-04 |

44-RUTHENIUM-105 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.13E-03 | 3.72E-05 | 2.27E-03 | 2.73E-04 | 2.59E-04 | 9.89E-05 | 8.84E-04 | 6.00E-04 | 3.42E-04 | 3.42E-04 | 2.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.13E-03 | 3.72E-05 | 2.27E-03 | 2.73E-04 | 2.59E-04 | 9.89E-05 | 8.84E-04 | 6.00E-04 | 3.42E-04 | 3.42E-04 | 2.37E-04 |
| SKELETON BONE | G | 1.83E-04 | 7.86E-05 | 8.09E-05 | 1.07E-04 | 9.65E-05 | 1.40E-04 | 1.32E-04 | 9.85E-05 | 1.34E-04 | 1.34E-04 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.83E-04 | 7.86E-05 | 8.09E-05 | 1.07E-04 | 9.65E-05 | 1.40E-04 | 1.32E-04 | 9.85E-05 | 1.34E-04 | 1.34E-04 | 1.48E-04 |
| R MARROW | G | 3.28E-04 | 1.68E-04 | 1.39E-04 | 3.36E-04 | 2.87E-04 | 4.17E-04 | 3.33E-04 | 1.42E-04 | 1.69E-04 | 1.69E-04 | 1.83E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.28E-04 | 1.68E-04 | 1.39E-04 | 3.36E-04 | 2.87E-04 | 4.17E-04 | 3.33E-04 | 1.42E-04 | 1.69E-04 | 1.69E-04 | 1.83E-04 |
| Y MARROW | G | 1.78E-04 | 7.22E-05 | 1.12E-04 | 1.47E-04 | 1.37E-04 | 1.72E-04 | 1.63E-04 | 1.45E-04 | 1.41E-04 | 1.41E-04 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.78E-04 | 7.22E-05 | 1.12E-04 | 1.47E-04 | 1.37E-04 | 1.72E-04 | 1.63E-04 | 1.45E-04 | 1.41E-04 | 1.41E-04 | 1.49E-04 |
| T E CL | G | 1.83E-04 | 7.86E-05 | 8.09E-05 | 1.07E-04 | 9.65E-05 | 1.40E-04 | 1.32E-04 | 9.85E-05 | 1.34E-04 | 1.34E-04 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.83E-04 | 7.86E-05 | 8.09E-05 | 1.07E-04 | 9.65E-05 | 1.40E-04 | 1.32E-04 | 9.85E-05 | 1.34E-04 | 1.34E-04 | 1.48E-04 |
| SKIN | G | 9.26E-05 | 8.88E-05 | 7.94E-05 | 7.27E-05 | 7.37E-05 | 7.96E-05 | 8.85E-05 | 8.11E-05 | 9.07E-05 | 9.07E-05 | 1.22E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.26E-05 | 8.88E-05 | 7.94E-05 | 7.27E-05 | 7.37E-05 | 7.96E-05 | 8.85E-05 | 8.11E-05 | 9.07E-05 | 9.07E-05 | 1.22E-04 |
| SPLEEN | G | 8.39E-04 | 3.11E-05 | 1.26E-03 | 2.08E-04 | 1.73E-04 | 1.30E-04 | 1.11E-03 | 1.40E-04 | 2.88E-04 | 2.88E-04 | 1.96E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.39E-04 | 3.11E-05 | 1.26E-03 | 2.08E-04 | 1.73E-04 | 1.30E-04 | 1.11E-03 | 1.40E-04 | 2.88E-04 | 2.88E-04 | 1.96E-04 |
| TESTES | G | 1.01E-05 | 6.58E-04 | 1.05E-05 | 5.66E-05 | 6.95E-05 | 2.50E-04 | 2.09E-05 | 2.17E-05 | 3.71E-06 | 3.71E-06 | 1.65E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.01E-05 | 6.58E-04 | 1.05E-05 | 5.66E-05 | 6.95E-05 | 2.50E-04 | 2.09E-05 | 2.17E-05 | 3.71E-06 | 3.71E-06 | 1.65E-04 |
| THYMUS | G | 1.06E-04 | 4.77E-06 | 5.96E-05 | 1.94E-05 | 2.11E-05 | 8.39E-06 | 3.77E-05 | 1.46E-04 | 5.15E-04 | 5.15E-04 | 2.22E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-04 | 4.77E-06 | 5.96E-05 | 1.94E-05 | 2.11E-05 | 8.39E-06 | 3.77E-05 | 1.46E-04 | 5.15E-04 | 5.15E-04 | 2.22E-04 |
| THYROID | G | 2.72E-05 | 1.56E-06 | 2.11E-05 | 5.89E-06 | 6.28E-06 | 2.79E-06 | 1.34E-05 | 2.61E-05 | 1.66E-04 | 1.66E-04 | 1.82E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.72E-05 | 1.56E-06 | 2.11E-05 | 5.89E-06 | 6.28E-06 | 2.79E-06 | 1.34E-05 | 2.61E-05 | 1.66E-04 | 1.66E-04 | 1.82E-04 |
| UTERUS | G | 7.96E-05 | 1.96E-03 | 1.23E-04 | 1.15E-03 | 6.07E-04 | 7.55E-04 | 1.15E-04 | 5.62E-05 | 1.42E-05 | 1.42E-05 | 2.93E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.96E-05 | 1.96E-03 | 1.23E-04 | 1.15E-03 | 6.07E-04 | 7.55E-04 | 1.15E-04 | 5.62E-05 | 1.42E-05 | 1.42E-05 | 2.93E-04 |
| T BODY | G | 2.23E-04 | 2.47E-04 | 2.35E-04 | 2.59E-04 | 2.53E-04 | 2.51E-04 | 2.25E-04 | 2.26E-04 | 1.92E-04 | 1.92E-04 | 1.92E-04 |
| | B | 2.94E-04 | 3.31E-05 | 8.82E-05 | 2.35E-04 | 1.40E-04 | 1.74E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 |
| | T | 5.17E-04 | 2.80E-04 | 3.24E-04 | 4.94E-04 | 3.94E-04 | 4.26E-04 | 5.19E-04 | 5.20E-04 | 4.86E-04 | 4.86E-04 | 4.86E-04 |

CONTINUED NEXT PAGE

44-RUTHENIUM-105 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 7.67E-05 | 1.04E-03 | 2.30E-04 | 2.30E-04 | 3.00E-04 | 1.23E-04 | 9.86E-05 | 8.59E-04 | 1.01E-05 | 2.72E-05 | 2.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 7.67E-05 | 1.04E-03 | 2.30E-04 | 2.30E-04 | 3.00E-04 | 1.23E-04 | 9.86E-05 | 8.59E-04 | 1.01E-05 | 2.72E-05 | 5.72E-04 |
| BLAD WALL | G | 9.04E-04 | 2.28E-05 | 7.56E-05 | 7.56E-05 | 1.13E-04 | 3.88E-05 | 9.08E-05 | 2.92E-05 | 6.84E-04 | 1.57E-06 | 2.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 9.04E-04 | 2.28E-05 | 7.56E-05 | 7.56E-05 | 1.13E-04 | 3.88E-05 | 9.08E-05 | 2.92E-05 | 6.84E-04 | 1.57E-06 | 5.46E-04 |
| GI TRACT S WALL | G | 1.08E-04 | 2.26E-03 | 7.62E-05 | 7.62E-05 | 1.44E-04 | 1.00E-04 | 8.69E-05 | 1.27E-03 | 1.34E-05 | 1.68E-05 | 2.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.08E-04 | 2.26E-03 | 7.62E-05 | 7.62E-05 | 1.44E-04 | 1.00E-04 | 8.69E-05 | 1.27E-03 | 1.34E-05 | 1.68E-05 | 5.28E-04 |
| SI+CONT | G | 1.53E-03 | 2.38E-04 | 1.09E-04 | 1.09E-04 | 3.52E-04 | 1.39E-04 | 7.57E-05 | 1.86E-04 | 7.06E-05 | 2.65E-06 | 2.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.53E-03 | 2.38E-04 | 1.09E-04 | 1.09E-04 | 3.52E-04 | 1.39E-04 | 7.57E-05 | 1.86E-04 | 7.06E-05 | 2.65E-06 | 5.55E-04 |
| ULI WALL | G | 1.44E-03 | 2.90E-04 | 9.81E-05 | 9.81E-05 | 2.67E-04 | 1.16E-04 | 8.08E-05 | 1.85E-04 | 4.81E-05 | 3.04E-06 | 2.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.44E-03 | 2.90E-04 | 9.81E-05 | 9.81E-05 | 2.67E-04 | 1.16E-04 | 8.08E-05 | 1.85E-04 | 4.81E-05 | 3.04E-06 | 5.48E-04 |
| LLI WALL | G | 1.84E-03 | 7.33E-05 | 1.34E-04 | 1.34E-04 | 4.02E-04 | 1.10E-04 | 8.30E-05 | 8.95E-05 | 3.51E-04 | 2.36E-06 | 2.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.84E-03 | 7.33E-05 | 1.34E-04 | 1.34E-04 | 4.02E-04 | 1.10E-04 | 8.30E-05 | 8.95E-05 | 3.51E-04 | 2.36E-06 | 5.53E-04 |
| KIDNEYS | G | 1.49E-04 | 8.17E-04 | 1.35E-04 | 1.35E-04 | 3.14E-04 | 1.59E-04 | 1.01E-04 | 1.11E-03 | 1.55E-05 | 9.93E-06 | 2.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.49E-04 | 8.17E-04 | 1.35E-04 | 1.35E-04 | 3.14E-04 | 1.59E-04 | 1.01E-04 | 1.11E-03 | 1.55E-05 | 9.93E-06 | 5.30E-04 |
| LIVER | G | 8.38E-05 | 5.43E-04 | 9.52E-05 | 9.52E-05 | 1.35E-04 | 1.46E-04 | 8.96E-05 | 1.43E-04 | 9.41E-06 | 2.26E-05 | 2.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 8.38E-05 | 5.43E-04 | 9.52E-05 | 9.52E-05 | 1.35E-04 | 1.46E-04 | 8.96E-05 | 1.43E-04 | 9.41E-06 | 2.26E-05 | 5.28E-04 |
| LUNGS | G | 1.69E-05 | 3.14E-04 | 1.32E-04 | 1.32E-04 | 1.61E-04 | 1.35E-04 | 9.22E-05 | 2.89E-04 | 2.64E-06 | 1.45E-04 | 1.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.69E-05 | 3.14E-04 | 1.32E-04 | 1.32E-04 | 1.61E-04 | 1.35E-04 | 9.22E-05 | 2.89E-04 | 2.64E-06 | 1.45E-04 | 4.93E-04 |
| RESP LYM NODE | G | 1.69E-05 | 3.14E-04 | 1.32E-04 | 1.32E-04 | 1.61E-04 | 1.35E-04 | 9.22E-05 | 2.89E-04 | 2.64E-06 | 1.45E-04 | 1.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.69E-05 | 3.14E-04 | 1.32E-04 | 1.32E-04 | 1.61E-04 | 1.35E-04 | 9.22E-05 | 2.89E-04 | 2.64E-06 | 1.45E-04 | 4.93E-04 |
| MUSCLE* | G | 2.63E-04 | 2.37E-04 | 1.48E-04 | 1.48E-04 | 1.74E-04 | 1.37E-04 | 1.22E-04 | 1.96E-04 | 1.65E-04 | 1.82E-04 | 1.92E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 2.63E-04 | 2.37E-04 | 1.48E-04 | 1.48E-04 | 1.74E-04 | 1.37E-04 | 1.22E-04 | 1.96E-04 | 1.65E-04 | 1.82E-04 | 4.86E-04 |
| OVARIES | G | 9.98E-02 | 8.02E-05 | 1.35E-04 | 1.35E-04 | 4.21E-04 | 1.24E-04 | 5.75E-05 | 1.13E-04 | 9.08E-49 | 2.81E-06 | 2.10E-04 |
| | B | 1.87E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.97E 00 | 8.02E-05 | 1.35E-04 | 1.35E-04 | 4.21E-04 | 1.24E-04 | 5.75E-05 | 1.13E-04 | 9.08E-49 | 2.81E-06 | 5.04E-04 |

44-RUTHENIUM-105 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 9.14E-05 | 2.78E-02 | 1.27E-04 | 1.27E-04 | 2.02E-04 | 1.62E-04 | 7.42E-05 | 2.51E-03 | 8.75E-06 | 9.40E-06 | 2.30E-04 |
| | B | 0.0 | 2.06E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 9.14E-05 | 2.34E-01 | 1.27E-04 | 1.27E-04 | 2.02E-04 | 1.62E-04 | 7.42E-05 | 2.51E-03 | 8.75E-06 | 9.40E-06 | 5.25E-04 |
| SKELETON BONE | G | 1.24E-04 | 1.23E-04 | 4.61E-04 | 4.61E-04 | 3.08E-04 | 3.41E-04 | 1.14E-04 | 1.04E-04 | 8.94E-05 | 1.01E-04 | 1.99E-04 |
| | B | 0.0 | 0.0 | 4.12E-03 | 2.52E-03 | 1.07E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.24E-04 | 1.23E-04 | 4.58E-03 | 2.98E-03 | 1.37E-03 | 3.41E-04 | 1.14E-04 | 1.04E-04 | 8.94E-05 | 1.01E-04 | 4.93E-04 |
| R MARROW | G | 4.12E-04 | 2.32E-04 | 4.13E-04 | 4.13E-04 | 9.81E-04 | 3.54E-04 | 1.06E-04 | 1.53E-04 | 7.10E-05 | 1.10E-04 | 2.19E-04 |
| | B | 0.0 | 0.0 | 1.54E-04 | 5.33E-03 | 9.75E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 4.12E-04 | 2.32E-04 | 5.67E-04 | 5.75E-03 | 1.07E-02 | 3.54E-04 | 1.06E-04 | 1.53E-04 | 7.10E-05 | 1.10E-04 | 5.13E-04 |
| Y MARROW | G | 1.66E-04 | 1.45E-04 | 3.98E-04 | 3.98E-04 | 3.79E-04 | 5.79E-04 | 1.21E-04 | 1.55E-04 | 3.83E-05 | 5.38E-05 | 1.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.66E-04 | 1.45E-04 | 3.98E-04 | 3.98E-04 | 3.79E-04 | 1.43E-02 | 1.21E-04 | 1.55E-04 | 3.83E-05 | 5.38E-05 | 4.80E-04 |
| T E CL | G | 1.24E-04 | 1.23E-04 | 4.61E-04 | 4.61E-04 | 4.14E-04 | 3.77E-04 | 1.14E-04 | 1.04E-04 | 8.94E-05 | 1.01E-04 | 1.99E-04 |
| | B | 0.0 | 0.0 | 2.64E-03 | 4.45E-03 | 3.90E-03 | 3.43E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 1.24E-04 | 1.23E-04 | 3.10E-03 | 4.91E-03 | 4.31E-03 | 3.81E-03 | 1.14E-04 | 1.04E-04 | 8.94E-05 | 1.01E-04 | 4.93E-04 |
| SKIN | G | 7.18E-05 | 7.01E-05 | 1.15E-04 | 1.15E-04 | 9.99E-05 | 1.28E-04 | 2.70E-04 | 8.43E-05 | 2.10E-04 | 1.18E-04 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.92E-03 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 7.18E-05 | 7.01E-05 | 1.15E-04 | 1.15E-04 | 9.99E-05 | 1.28E-04 | 8.19E-03 | 8.43E-05 | 2.10E-04 | 1.18E-04 | 4.15E-04 |
| SPLEEN | G | 8.81E-05 | 2.48E-03 | 1.13E-04 | 1.13E-04 | 1.21E-04 | 1.39E-04 | 9.39E-05 | 1.71E-02 | 1.33E-05 | 2.11E-05 | 2.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-01 | 0.0 | 0.0 | 2.94E-04 |
| | T | 8.81E-05 | 2.48E-03 | 1.13E-04 | 1.13E-04 | 1.21E-04 | 1.39E-04 | 9.39E-05 | 1.31E-01 | 1.33E-05 | 2.11E-05 | 5.30E-04 |
| TESTES | G | 9.08E-49 | 1.16E-05 | 8.23E-05 | 8.23E-05 | 5.67E-05 | 1.29E-04 | 1.19E-04 | 1.35E-05 | 4.72E-02 | 6.13E-07 | 2.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.88E-01 | 0.0 | 2.94E-04 |
| | T | 9.08E-49 | 1.16E-05 | 8.23E-05 | 8.23E-05 | 5.67E-05 | 1.29E-04 | 1.19E-04 | 1.35E-05 | 6.35E-01 | 6.13E-07 | 5.30E-04 |
| THYMUS | G | 8.82E-06 | 7.49E-05 | 1.03E-04 | 1.03E-04 | 7.44E-05 | 5.65E-05 | 1.08E-04 | 7.39E-05 | 1.79E-06 | 5.58E-04 | 2.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 8.82E-06 | 7.49E-05 | 1.03E-04 | 1.03E-04 | 7.44E-05 | 5.65E-05 | 1.08E-04 | 7.39E-05 | 1.79E-06 | 5.58E-04 | 4.95E-04 |
| THYROID | G | 2.81E-06 | 1.77E-05 | 1.19E-04 | 1.19E-04 | 1.22E-04 | 7.21E-05 | 1.06E-04 | 2.05E-05 | 6.13E-07 | 6.33E-02 | 1.96E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.03E 00 | 2.94E-04 |
| | T | 2.81E-06 | 1.77E-05 | 1.19E-04 | 1.19E-04 | 1.22E-04 | 7.21E-05 | 1.06E-04 | 2.05E-05 | 6.13E-07 | 1.09E 00 | 4.90E-04 |
| UTERUS | G | 2.35E-03 | 8.34E-05 | 9.43E-05 | 9.43E-05 | 2.45E-04 | 8.95E-05 | 8.35E-05 | 6.91E-05 | 9.08E-49 | 2.67E-06 | 2.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-04 |
| | T | 2.35E-03 | 8.34E-05 | 9.43E-05 | 9.43E-05 | 2.45E-04 | 8.95E-05 | 8.35E-05 | 6.91E-05 | 9.08E-49 | 2.67E-06 | 5.61E-04 |
| T BODY | G | 2.64E-04 | 2.59E-04 | 1.91E-04 | 1.91E-04 | 2.12E-04 | 1.70E-04 | 1.23E-04 | 2.24E-04 | 1.90E-04 | 1.73E-04 | 1.92E-04 |
| | B | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 | 2.94E-04 |
| | T | 5.58E-04 | 5.53E-04 | 4.85E-04 | 4.85E-04 | 5.06E-04 | 4.64E-04 | 4.17E-04 | 5.18E-04 | 4.84E-04 | 4.67E-04 | 4.86E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-SCHRIBER, S. O. AND JOHNS, M. W., NUCL. PHYS. A96, 337 (1967)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT (REM) PER 1 UCI-DAY DATE OF TABLE 04-10-75
OF 44-RUTHENIUM-105 (TR=4.440E 00 HOURS) AND 0.275 UCI-DAY OF 45-RHODIUM-105M (TR=4.500E 01 SEC)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 6.34E-02 | 3.18E-05 | 2.92E-04 | 1.68E-04 | 1.46E-04 | 6.63E-05 | 1.64E-03 | 6.55E-04 | 3.26E-04 | 3.26E-04 | 2.06E-04 |
| | B | 1.57E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.63E 00 | 3.18E-05 | 2.92E-04 | 1.68E-04 | 1.46E-04 | 6.63E-05 | 1.64E-03 | 6.55E-04 | 3.26E-04 | 3.26E-04 | 2.06E-04 |
| BLAD WALL | G | 2.17E-05 | 9.82E-03 | 6.08E-05 | 3.90E-04 | 2.70E-04 | 7.42E-04 | 5.52E-05 | 3.70E-05 | 1.06E-05 | 1.06E-05 | 2.39E-04 |
| | B | 0.0 | 5.49E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.17E-05 | 6.47E-02 | 6.08E-05 | 3.90E-04 | 2.70E-04 | 7.42E-04 | 5.52E-05 | 3.70E-05 | 1.06E-05 | 1.06E-05 | 2.39E-04 |
| GI TRACT S WALL | G | 3.97E-04 | 5.37E-05 | 7.01E-03 | 4.64E-04 | 4.85E-04 | 2.31E-04 | 4.49E-04 | 2.59E-04 | 2.52E-04 | 2.52E-04 | 1.89E-04 |
| | B | 0.0 | 0.0 | 4.39E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.97E-04 | 5.37E-05 | 5.09E-02 | 4.64E-04 | 4.85E-04 | 2.31E-04 | 4.49E-04 | 2.59E-04 | 2.52E-04 | 2.52E-04 | 1.89E-04 |
| SI+CONT | G | 1.28E-04 | 3.59E-04 | 3.48E-04 | 4.15E-03 | 2.17E-03 | 1.20E-03 | 3.72E-04 | 2.14E-04 | 3.88E-05 | 3.88E-05 | 2.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 2.74E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-04 | 3.59E-04 | 3.48E-04 | 3.16E-02 | 2.17E-03 | 1.20E-03 | 3.72E-04 | 2.14E-04 | 3.88E-05 | 3.88E-05 | 2.08E-04 |
| ULI WALL | G | 1.44E-04 | 2.98E-04 | 4.32E-04 | 3.08E-03 | 5.82E-03 | 5.55E-04 | 3.85E-04 | 3.35E-04 | 5.15E-05 | 5.15E-05 | 2.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.99E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.44E-04 | 2.98E-04 | 4.32E-04 | 3.08E-03 | 5.57E-02 | 5.55E-04 | 3.85E-04 | 3.35E-04 | 5.15E-05 | 5.15E-05 | 2.20E-04 |
| LLI WALL | G | 4.16E-05 | 9.25E-04 | 1.76E-04 | 9.17E-04 | 4.18E-04 | 6.94E-03 | 1.18E-04 | 4.04E-05 | 1.18E-05 | 1.18E-05 | 2.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.16E-05 | 9.25E-04 | 1.76E-04 | 9.17E-04 | 4.18E-04 | 8.82E-02 | 1.18E-04 | 4.04E-05 | 1.18E-05 | 1.18E-05 | 2.28E-04 |
| KIDNEYS | G | 1.53E-03 | 4.95E-05 | 4.43E-04 | 4.24E-04 | 3.73E-04 | 1.18E-04 | 9.84E-03 | 5.02E-04 | 1.36E-04 | 1.36E-04 | 1.93E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.08E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.53E-03 | 4.95E-05 | 4.43E-04 | 4.24E-04 | 3.73E-04 | 1.18E-04 | 8.06E-02 | 5.02E-04 | 1.36E-04 | 1.36E-04 | 1.93E-04 |
| LIVER | G | 6.48E-04 | 3.85E-05 | 2.69E-04 | 2.46E-04 | 3.34E-04 | 4.81E-05 | 5.25E-04 | 3.45E-03 | 3.21E-04 | 3.21E-04 | 1.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22E-02 | 0.0 | 0.0 | 0.0 |
| | T | 6.48E-04 | 3.85E-05 | 2.69E-04 | 2.46E-04 | 3.34E-04 | 4.81E-05 | 5.25E-04 | 1.56E-02 | 3.21E-04 | 3.21E-04 | 1.51E-04 |
| LUNGS | G | 3.17E-04 | 7.93E-06 | 2.44E-04 | 4.51E-05 | 4.87E-05 | 1.65E-05 | 1.29E-04 | 3.25E-04 | 1.98E-03 | 1.98E-03 | 1.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-02 | 2.19E-02 | 0.0 |
| | T | 3.17E-04 | 7.93E-06 | 2.44E-04 | 4.51E-05 | 4.87E-05 | 1.65E-05 | 1.29E-04 | 3.25E-04 | 2.39E-02 | 2.39E-02 | 1.80E-04 |
| RESP LYM NODE | G | 3.17E-04 | 7.93E-06 | 2.44E-04 | 4.51E-05 | 4.87E-05 | 1.65E-05 | 1.29E-04 | 3.25E-04 | 1.98E-03 | 1.98E-03 | 1.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-02 | 1.46E 00 | 0.0 |
| | T | 3.17E-04 | 7.93E-06 | 2.44E-04 | 4.51E-05 | 4.87E-05 | 1.65E-05 | 1.29E-04 | 3.25E-04 | 2.39E-02 | 1.46E 00 | 1.80E-04 |
| MUSCLE* | G | 2.06E-04 | 2.39E-04 | 1.90E-04 | 2.08E-04 | 1.99E-04 | 2.28E-04 | 1.93E-04 | 1.51E-04 | 1.80E-04 | 1.80E-04 | 2.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.84E-04 |
| | T | 2.06E-04 | 2.39E-04 | 1.90E-04 | 2.08E-04 | 1.99E-04 | 2.28E-04 | 1.93E-04 | 1.51E-04 | 1.80E-04 | 1.80E-04 | 9.89E-04 |
| OVARIES | G | 7.42E-05 | 7.71E-04 | 1.13E-04 | 1.27E-03 | 1.45E-03 | 2.24E-03 | 1.78E-04 | 5.54E-05 | 2.12E-05 | 2.12E-05 | 2.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.42E-05 | 7.71E-04 | 1.13E-04 | 1.27E-03 | 1.45E-03 | 2.24E-03 | 1.78E-04 | 5.54E-05 | 2.12E-05 | 2.12E-05 | 2.67E-04 |

44-RUTHENIUM-105 AND 45-RHODIUM-105M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.14E-03 | 3.75E-05 | 2.30E-03 | 2.76E-04 | 2.62E-04 | 9.99E-05 | 8.93E-04 | 6.06E-04 | 3.45E-04 | 3.45E-04 | 2.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.14E-03 | 3.75E-05 | 2.30E-03 | 2.76E-04 | 2.62E-04 | 9.99E-05 | 8.93E-04 | 6.06E-04 | 3.45E-04 | 3.45E-04 | 2.41E-04 |
| SKELETON BONE | G | 1.87E-04 | 7.98E-05 | 8.23E-05 | 1.08E-04 | 9.82E-05 | 1.42E-04 | 1.34E-04 | 1.00E-04 | 1.36E-04 | 1.36E-04 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.87E-04 | 7.98E-05 | 8.23E-05 | 1.08E-04 | 9.82E-05 | 1.42E-04 | 1.34E-04 | 1.00E-04 | 1.36E-04 | 1.36E-04 | 1.49E-04 |
| R MARROW | G | 3.34E-04 | 1.71E-04 | 1.42E-04 | 3.43E-04 | 2.93E-04 | 4.27E-04 | 3.39E-04 | 1.45E-04 | 1.72E-04 | 1.72E-04 | 1.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.34E-04 | 1.71E-04 | 1.42E-04 | 3.43E-04 | 2.93E-04 | 4.27E-04 | 3.39E-04 | 1.45E-04 | 1.72E-04 | 1.72E-04 | 1.86E-04 |
| Y MARROW | G | 1.81E-04 | 7.35E-05 | 1.14E-04 | 1.50E-04 | 1.39E-04 | 1.76E-04 | 1.66E-04 | 1.48E-04 | 1.44E-04 | 1.44E-04 | 1.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.81E-04 | 7.35E-05 | 1.14E-04 | 1.50E-04 | 1.39E-04 | 1.76E-04 | 1.66E-04 | 1.48E-04 | 1.44E-04 | 1.44E-04 | 1.52E-04 |
| T E CL | G | 1.87E-04 | 7.98E-05 | 8.23E-05 | 1.08E-04 | 9.82E-05 | 1.42E-04 | 1.34E-04 | 1.00E-04 | 1.36E-04 | 1.36E-04 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.87E-04 | 7.98E-05 | 8.23E-05 | 1.08E-04 | 9.82E-05 | 1.42E-04 | 1.34E-04 | 1.00E-04 | 1.36E-04 | 1.36E-04 | 1.49E-04 |
| SKIN | G | 9.34E-05 | 8.95E-05 | 8.01E-05 | 7.32E-05 | 7.43E-05 | 8.03E-05 | 8.93E-05 | 8.18E-05 | 9.15E-05 | 9.15E-05 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.34E-05 | 8.95E-05 | 8.01E-05 | 7.32E-05 | 7.43E-05 | 8.03E-05 | 8.93E-05 | 8.18E-05 | 9.15E-05 | 9.15E-05 | 1.24E-04 |
| SPLEEN | G | 8.49E-04 | 3.21E-05 | 1.28E-03 | 2.10E-04 | 1.75E-04 | 1.31E-04 | 1.12E-03 | 1.41E-04 | 2.92E-04 | 2.92E-04 | 1.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.49E-04 | 3.21E-05 | 1.28E-03 | 2.10E-04 | 1.75E-04 | 1.31E-04 | 1.12E-03 | 1.41E-04 | 2.92E-04 | 2.92E-04 | 1.98E-04 |
| TESTES | G | 1.02E-05 | 6.65E-04 | 1.05E-05 | 5.70E-05 | 6.99E-05 | 2.52E-04 | 2.10E-05 | 2.17E-05 | 3.72E-06 | 3.72E-06 | 1.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.02E-05 | 6.65E-04 | 1.05E-05 | 5.70E-05 | 6.99E-05 | 2.52E-04 | 2.10E-05 | 2.17E-05 | 3.72E-06 | 3.72E-06 | 1.67E-04 |
| THYMUS | G | 1.06E-04 | 4.79E-06 | 6.00E-05 | 1.95E-05 | 2.13E-05 | 8.42E-06 | 3.79E-05 | 1.47E-04 | 5.21E-04 | 5.21E-04 | 2.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-04 | 4.79E-06 | 6.00E-05 | 1.95E-05 | 2.13E-05 | 8.42E-06 | 3.79E-05 | 1.47E-04 | 5.21E-04 | 5.21E-04 | 2.28E-04 |
| THYROID | G | 2.74E-05 | 1.56E-06 | 2.12E-05 | 5.91E-06 | 6.30E-06 | 2.80E-06 | 1.35E-05 | 2.63E-05 | 1.67E-04 | 1.67E-04 | 1.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.74E-05 | 1.56E-06 | 2.12E-05 | 5.91E-06 | 6.30E-06 | 2.80E-06 | 1.35E-05 | 2.63E-05 | 1.67E-04 | 1.67E-04 | 1.85E-04 |
| UTERUS | G | 8.07E-05 | 1.99E-03 | 1.24E-04 | 1.16E-03 | 6.15E-04 | 7.65E-04 | 1.16E-04 | 5.67E-05 | 1.43E-05 | 1.43E-05 | 2.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.07E-05 | 1.99E-03 | 1.24E-04 | 1.16E-03 | 6.15E-04 | 7.65E-04 | 1.16E-04 | 5.67E-05 | 1.43E-05 | 1.43E-05 | 2.98E-04 |
| T BODY | G | 2.27E-04 | 2.51E-04 | 2.39E-04 | 2.64E-04 | 2.58E-04 | 2.56E-04 | 2.29E-04 | 2.29E-04 | 1.96E-04 | 1.96E-04 | 1.95E-04 |
| | B | 3.13E-04 | 3.53E-05 | 9.40E-05 | 2.51E-04 | 1.50E-04 | 1.86E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 |
| | T | 5.41E-04 | 2.87E-04 | 3.33E-04 | 5.14E-04 | 4.07E-04 | 4.41E-04 | 5.42E-04 | 5.43E-04 | 5.09E-04 | 5.09E-04 | 5.08E-04 |

CONTINUED NEXT PAGE

44-RUTHENIUM-105 AND 45-RHODIUM-105M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 7.71E-05 | 1.05E-03 | 2.32E-04 | 2.32E-04 | 3.04E-04 | 1.25E-04 | 9.96E-05 | 8.69E-04 | 1.02E-05 | 2.74E-05 | 2.81E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 7.71E-05 | 1.05E-03 | 2.32E-04 | 2.32E-04 | 3.04E-04 | 1.25E-04 | 9.96E-05 | 8.69E-04 | 1.02E-05 | 2.74E-05 | 5.94E-04 |
| BLAD WALL | G | 9.14E-04 | 2.29E-05 | 7.63E-05 | 7.63E-05 | 1.14E-04 | 3.93E-05 | 9.14E-05 | 2.94E-05 | 6.90E-04 | 1.57E-06 | 2.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 9.14E-04 | 2.29E-05 | 7.63E-05 | 7.63E-05 | 1.14E-04 | 3.93E-05 | 9.14E-05 | 2.94E-05 | 6.90E-04 | 1.57E-06 | 5.70E-04 |
| GI TRACT S WALL | G | 1.09E-04 | 2.29E-03 | 7.69E-05 | 7.69E-05 | 1.45E-04 | 1.01E-04 | 8.77E-05 | 1.28E-03 | 1.34E-05 | 1.68E-05 | 2.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.09E-04 | 2.29E-03 | 7.69E-05 | 7.69E-05 | 1.45E-04 | 1.01E-04 | 8.77E-05 | 1.28E-03 | 1.34E-05 | 1.68E-05 | 5.51E-04 |
| SI+CONT | G | 1.56E-03 | 2.40E-04 | 1.10E-04 | 1.10E-04 | 3.56E-04 | 1.41E-04 | 7.63E-05 | 1.88E-04 | 7.11E-05 | 2.66E-06 | 2.66E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.56E-03 | 2.40E-04 | 1.10E-04 | 1.10E-04 | 3.56E-04 | 1.41E-04 | 7.63E-05 | 1.88E-04 | 7.11E-05 | 2.66E-06 | 5.79E-04 |
| ULI WALL | G | 1.47E-03 | 2.93E-04 | 9.91E-05 | 9.91E-05 | 2.70E-04 | 1.17E-04 | 8.15E-05 | 1.87E-04 | 4.85E-05 | 3.06E-06 | 2.58E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.47E-03 | 2.93E-04 | 9.91E-05 | 9.91E-05 | 2.70E-04 | 1.17E-04 | 8.15E-05 | 1.87E-04 | 4.85E-05 | 3.06E-06 | 5.71E-04 |
| LLI WALL | G | 1.87E-03 | 7.41E-05 | 1.35E-04 | 1.35E-04 | 4.07E-04 | 1.12E-04 | 8.36E-05 | 9.03E-05 | 3.55E-04 | 2.37E-06 | 2.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.87E-03 | 7.41E-05 | 1.35E-04 | 1.35E-04 | 4.07E-04 | 1.12E-04 | 8.36E-05 | 9.03E-05 | 3.55E-04 | 2.37E-06 | 5.77E-04 |
| KIDNEYS | G | 1.50E-04 | 8.26E-04 | 1.36E-04 | 1.36E-04 | 3.17E-04 | 1.61E-04 | 1.02E-04 | 1.13E-03 | 1.55E-05 | 9.98E-06 | 2.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.50E-04 | 8.26E-04 | 1.36E-04 | 1.36E-04 | 3.17E-04 | 1.61E-04 | 1.02E-04 | 1.13E-03 | 1.55E-05 | 9.98E-06 | 5.53E-04 |
| LIVER | G | 8.45E-05 | 5.49E-04 | 9.62E-05 | 9.62E-05 | 1.36E-04 | 1.47E-04 | 9.04E-05 | 1.44E-04 | 9.45E-06 | 2.28E-05 | 2.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 8.45E-05 | 5.49E-04 | 9.62E-05 | 9.62E-05 | 1.36E-04 | 1.47E-04 | 9.04E-05 | 1.44E-04 | 9.45E-06 | 2.28E-05 | 5.51E-04 |
| LUNGS | G | 1.70E-05 | 3.18E-04 | 1.33E-04 | 1.33E-04 | 1.63E-04 | 1.36E-04 | 9.31E-05 | 2.92E-04 | 2.65E-06 | 1.47E-04 | 2.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.70E-05 | 3.18E-04 | 1.33E-04 | 1.33E-04 | 1.63E-04 | 1.36E-04 | 9.31E-05 | 2.92E-04 | 2.65E-06 | 1.47E-04 | 5.16E-04 |
| RESP LYM NODE | G | 1.70E-05 | 3.18E-04 | 1.33E-04 | 1.33E-04 | 1.63E-04 | 1.36E-04 | 9.31E-05 | 2.92E-04 | 2.65E-06 | 1.47E-04 | 2.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.70E-05 | 3.18E-04 | 1.33E-04 | 1.33E-04 | 1.63E-04 | 1.36E-04 | 9.31E-05 | 2.92E-04 | 2.65E-06 | 1.47E-04 | 5.16E-04 |
| MUSCLE* | G | 2.67E-04 | 2.41E-04 | 1.49E-04 | 1.49E-04 | 1.76E-04 | 1.38E-04 | 1.24E-04 | 1.98E-04 | 1.67E-04 | 1.85E-04 | 1.95E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 2.67E-04 | 2.41E-04 | 1.49E-04 | 1.49E-04 | 1.76E-04 | 1.38E-04 | 1.24E-04 | 1.98E-04 | 1.67E-04 | 1.85E-04 | 5.08E-04 |
| OVARIES | G | 1.04E-01 | 8.08E-05 | 1.36E-04 | 1.36E-04 | 4.26E-04 | 1.26E-04 | 5.80E-05 | 1.13E-04 | 2.20E-47 | 2.82E-06 | 2.14E-04 |
| | B | 1.99E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 2.10E 00 | 8.08E-05 | 1.36E-04 | 1.36E-04 | 4.26E-04 | 1.26E-04 | 5.80E-05 | 1.13E-04 | 2.20E-47 | 2.82E-06 | 5.27E-04 |

44-RUTHENIUM-105 AND 45-RHODIUM-105M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 9.21E-05 | 2.88E-02 | 1.29E-04 | 1.29E-04 | 2.04E-04 | 1.63E-04 | 7.48E-05 | 2.55E-03 | 8.82E-06 | 9.49E-06 | 2.35E-04 |
| | B | 0.0 | 2.19E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 9.21E-05 | 2.48E-01 | 1.29E-04 | 1.29E-04 | 2.04E-04 | 1.63E-04 | 7.48E-05 | 2.55E-03 | 8.82E-06 | 9.49E-06 | 5.48E-04 |
| SKELETON BONE | G | 1.27E-04 | 1.25E-04 | 4.77E-04 | 4.77E-04 | 3.18E-04 | 3.54E-04 | 1.16E-04 | 1.06E-04 | 9.07E-05 | 1.02E-04 | 2.03E-04 |
| | B | 0.0 | 0.0 | 4.39E-03 | 2.73E-03 | 1.11E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.27E-04 | 1.25E-04 | 4.87E-03 | 3.21E-03 | 1.42E-03 | 3.54E-04 | 1.16E-04 | 1.06E-04 | 9.07E-05 | 1.02E-04 | 5.17E-04 |
| R MARROW | G | 4.21E-04 | 2.36E-04 | 4.28E-04 | 4.28E-04 | 1.02E-03 | 3.66E-04 | 1.08E-04 | 1.56E-04 | 7.20E-05 | 1.12E-04 | 2.25E-04 |
| | B | 0.0 | 0.0 | 1.56E-04 | 5.53E-03 | 1.05E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 4.21E-04 | 2.36E-04 | 5.84E-04 | 5.96E-03 | 1.15E-02 | 3.66E-04 | 1.08E-04 | 1.56E-04 | 7.20E-05 | 1.12E-04 | 5.38E-04 |
| Y MARROW | G | 1.69E-04 | 1.47E-04 | 4.12E-04 | 4.12E-04 | 3.93E-04 | 6.03E-04 | 1.23E-04 | 1.58E-04 | 3.87E-05 | 5.45E-05 | 1.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.69E-04 | 1.47E-04 | 4.12E-04 | 4.12E-04 | 3.93E-04 | 1.52E-02 | 1.23E-04 | 1.58E-04 | 3.87E-05 | 5.45E-05 | 5.04E-04 |
| T E CL | G | 1.27E-04 | 1.25E-04 | 4.77E-04 | 4.77E-04 | 4.29E-04 | 3.91E-04 | 1.16E-04 | 1.06E-04 | 9.07E-05 | 1.02E-04 | 2.03E-04 |
| | B | 0.0 | 0.0 | 2.79E-03 | 4.75E-03 | 4.14E-03 | 3.66E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 1.27E-04 | 1.25E-04 | 3.27E-03 | 5.23E-03 | 4.57E-03 | 4.05E-03 | 1.16E-04 | 1.06E-04 | 9.07E-05 | 1.02E-04 | 5.17E-04 |
| SKIN | G | 7.24E-05 | 7.06E-05 | 1.16E-04 | 1.16E-04 | 1.01E-04 | 1.29E-04 | 2.79E-04 | 8.49E-05 | 2.13E-04 | 1.19E-04 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.44E-03 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 7.24E-05 | 7.06E-05 | 1.16E-04 | 1.16E-04 | 1.01E-04 | 1.29E-04 | 8.72E-03 | 8.49E-05 | 2.13E-04 | 1.19E-04 | 4.37E-04 |
| SPLEEN | G | 8.87E-05 | 2.52E-03 | 1.14E-04 | 1.14E-04 | 1.23E-04 | 1.40E-04 | 9.47E-05 | 1.76E-02 | 1.34E-05 | 2.12E-05 | 2.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22E-01 | 0.0 | 0.0 | 3.13E-04 |
| | T | 8.87E-05 | 2.52E-03 | 1.14E-04 | 1.14E-04 | 1.23E-04 | 1.40E-04 | 9.47E-05 | 1.40E-01 | 1.34E-05 | 2.12E-05 | 5.54E-04 |
| TESTES | G | 2.20E-47 | 1.16E-05 | 8.31E-05 | 8.31E-05 | 5.73E-05 | 1.30E-04 | 1.21E-04 | 1.36E-05 | 4.90E-02 | 6.14E-07 | 2.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.27E-01 | 0.0 | 3.13E-04 |
| | T | 2.20E-47 | 1.16E-05 | 8.31E-05 | 8.31E-05 | 5.73E-05 | 1.30E-04 | 1.21E-04 | 1.36E-05 | 6.76E-01 | 6.14E-07 | 5.52E-04 |
| THYMUS | G | 8.85E-06 | 7.57E-05 | 1.04E-04 | 1.04E-04 | 7.56E-05 | 5.76E-05 | 1.09E-04 | 7.42E-05 | 1.80E-06 | 5.64E-04 | 2.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 8.85E-06 | 7.57E-05 | 1.04E-04 | 1.04E-04 | 7.56E-05 | 5.76E-05 | 1.09E-04 | 7.42E-05 | 1.80E-06 | 5.64E-04 | 5.19E-04 |
| THYROID | G | 2.82E-06 | 1.78E-05 | 1.20E-04 | 1.20E-04 | 1.23E-04 | 7.38E-05 | 1.07E-04 | 2.07E-05 | 6.14E-07 | 6.59E-02 | 1.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.10E 00 | 3.13E-04 |
| | T | 2.82E-06 | 1.78E-05 | 1.20E-04 | 1.20E-04 | 1.23E-04 | 7.38E-05 | 1.07E-04 | 2.07E-05 | 6.14E-07 | 1.16E 00 | 5.12E-04 |
| UTERUS | G | 2.39E-03 | 8.41E-05 | 9.51E-05 | 9.51E-05 | 2.48E-04 | 9.05E-05 | 8.41E-05 | 6.96E-05 | 2.20E-47 | 2.68E-06 | 2.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-04 |
| | T | 2.39E-03 | 8.41E-05 | 9.51E-05 | 9.51E-05 | 2.48E-04 | 9.05E-05 | 8.41E-05 | 6.96E-05 | 2.20E-47 | 2.68E-06 | 5.85E-04 |
| T BODY | G | 2.69E-04 | 2.63E-04 | 1.94E-04 | 1.94E-04 | 2.15E-04 | 1.74E-04 | 1.25E-04 | 2.28E-04 | 1.93E-04 | 1.77E-04 | 1.95E-04 |
| | B | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 | 3.13E-04 |
| | T | 5.82E-04 | 5.76E-04 | 5.08E-04 | 5.08E-04 | 5.29E-04 | 4.87E-04 | 4.38E-04 | 5.42E-04 | 5.06E-04 | 4.90E-04 | 5.09E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 44-RUTHENIUM-106 (TR=3.670E 02 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | B | 3.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BLAD WALL | B | 0.0 | 1.29E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 1.29E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 1.03E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 1.03E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 6.43E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 6.43E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.91E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.91E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 | 0.0 | 0.0 | 0.0 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.15E-04 | 5.15E-04 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.15E-04 | 5.15E-04 | 0.0 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.43E-02 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.43E-02 | 0.0 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-05 |
| OVARIES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

44-RUTHENIUM-106 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKELETON BONE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T E CL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T BODY | B | 7.35E-06 | 8.27E-07 | 2.21E-06 | 5.88E-06 | 3.51E-06 | 4.36E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 |
| | T | 7.35E-06 | 8.27E-07 | 2.21E-06 | 5.88E-06 | 3.51E-06 | 4.36E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 |

CONTINUED NEXT PAGE

44-RUTHENIUM-106 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| BLAD WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| OVARIES | B | 4.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 4.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |

44-RUTHENIUM-106 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | B | 0.0 | 5.15E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 5.15E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| SKELETON BONE | B | 0.0 | 0.0 | 1.03E-04 | 1.01E-04 | 1.23E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 1.03E-04 | 1.01E-04 | 1.23E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| R MARROW | B | 0.0 | 0.0 | 4.83E-08 | 6.17E-06 | 3.39E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 4.83E-08 | 6.17E-06 | 3.39E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.43E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.43E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| T E CL | B | 0.0 | 0.0 | 1.03E-05 | 2.14E-05 | 1.57E-04 | 8.58E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 1.03E-05 | 2.14E-05 | 1.57E-04 | 8.58E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-04 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-04 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-03 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-03 | 0.0 | 0.0 | 7.35E-06 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.47E-02 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.47E-02 | 0.0 | 7.35E-06 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.57E-02 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.57E-02 | 7.35E-06 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.35E-06 |
| T BODY | B | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 |
| | T | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 | 7.35E-06 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH. ED.
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT (REM) PER 1 UCI-DAY DATE OF TABLE 04-10-75
OF 44-RUTHENIUM-106 (TR=3.670E 02 DAYS) AND 1 UCI-DAY OF 45-RHODIUM-106 (TR=3.000E 01 SEC)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.59E-02 | 8.23E-06 | 7.51E-05 | 4.25E-05 | 3.66E-05 | 1.72E-05 | 4.29E-04 | 1.68E-04 | 8.32E-05 | 8.32E-05 | 5.30E-05 |
| | B | 5.23E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.25E 00 | 8.23E-06 | 7.51E-05 | 4.25E-05 | 3.66E-05 | 1.72E-05 | 4.29E-04 | 1.68E-04 | 8.32E-05 | 8.32E-05 | 5.30E-05 |
| BLAD WALL | G | 4.93E-06 | 2.53E-03 | 1.62E-05 | 1.10E-04 | 6.73E-05 | 1.91E-04 | 1.40E-05 | 1.09E-05 | 2.74E-06 | 2.74E-06 | 6.14E-05 |
| | B | 0.0 | 1.83E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.93E-06 | 1.86E-01 | 1.62E-05 | 1.10E-04 | 6.73E-05 | 1.91E-04 | 1.40E-05 | 1.09E-05 | 2.74E-06 | 2.74E-06 | 6.14E-05 |
| GI TRACT S WALL | G | 1.02E-04 | 1.29E-05 | 1.79E-03 | 1.18E-04 | 1.24E-04 | 6.06E-05 | 1.15E-04 | 6.60E-05 | 6.45E-05 | 6.45E-05 | 4.87E-05 |
| | B | 0.0 | 0.0 | 1.47E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.02E-04 | 1.29E-05 | 1.48E-01 | 1.18E-04 | 1.24E-04 | 6.06E-05 | 1.15E-04 | 6.60E-05 | 6.45E-05 | 6.45E-05 | 4.87E-05 |
| SI+CONT | G | 3.34E-05 | 9.10E-05 | 9.02E-05 | 1.06E-03 | 5.57E-04 | 3.07E-04 | 9.51E-05 | 5.48E-05 | 1.01E-05 | 1.01E-05 | 5.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 9.16E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.34E-05 | 9.10E-05 | 9.02E-05 | 9.26E-02 | 5.57E-04 | 3.07E-04 | 9.51E-05 | 5.48E-05 | 1.01E-05 | 1.01E-05 | 5.35E-05 |
| ULI WALL | G | 3.69E-05 | 7.88E-05 | 1.12E-04 | 7.83E-04 | 1.48E-03 | 1.44E-04 | 9.93E-05 | 8.72E-05 | 1.36E-05 | 1.36E-05 | 5.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.67E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.69E-05 | 7.88E-05 | 1.12E-04 | 7.83E-04 | 1.68E-01 | 1.44E-04 | 9.93E-05 | 8.72E-05 | 1.36E-05 | 1.36E-05 | 5.64E-05 |
| LLI WALL | G | 1.18E-05 | 2.41E-04 | 4.48E-05 | 2.33E-04 | 1.05E-04 | 1.77E-03 | 3.07E-05 | 1.10E-05 | 2.83E-06 | 2.83E-06 | 5.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.71E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-05 | 2.41E-04 | 4.48E-05 | 2.33E-04 | 1.05E-04 | 2.73E-01 | 3.07E-05 | 1.10E-05 | 2.83E-06 | 2.83E-06 | 5.86E-05 |
| KIDNEYS | G | 3.93E-04 | 1.34E-05 | 1.13E-04 | 1.09E-04 | 9.49E-05 | 2.96E-05 | 2.51E-03 | 1.29E-04 | 3.60E-05 | 3.60E-05 | 4.97E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.36E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.93E-04 | 1.34E-05 | 1.13E-04 | 1.09E-04 | 9.49E-05 | 2.96E-05 | 2.39E-01 | 1.29E-04 | 3.60E-05 | 3.60E-05 | 4.97E-05 |
| LIVER | G | 1.67E-04 | 1.01E-05 | 7.00E-05 | 6.28E-05 | 8.52E-05 | 1.25E-05 | 1.37E-04 | 8.82E-04 | 8.22E-05 | 8.22E-05 | 3.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.67E-04 | 1.01E-05 | 7.00E-05 | 6.28E-05 | 8.52E-05 | 1.25E-05 | 1.37E-04 | 4.16E-02 | 8.22E-05 | 8.22E-05 | 3.88E-05 |
| LUNGS | G | 8.07E-05 | 1.98E-06 | 6.36E-05 | 1.18E-05 | 1.25E-05 | 4.05E-06 | 3.34E-05 | 8.31E-05 | 5.00E-04 | 5.00E-04 | 4.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.33E-02 | 7.33E-02 | 0.0 |
| | T | 8.07E-05 | 1.98E-06 | 6.36E-05 | 1.18E-05 | 1.25E-05 | 4.05E-06 | 3.34E-05 | 8.31E-05 | 7.38E-02 | 7.38E-02 | 4.63E-05 |
| RESP LYM NODE | G | 8.07E-05 | 1.98E-06 | 6.36E-05 | 1.18E-05 | 1.25E-05 | 4.05E-06 | 3.34E-05 | 8.31E-05 | 5.00E-04 | 5.00E-04 | 4.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.27E-02 | 4.88E 00 | 0.0 |
| | T | 8.07E-05 | 1.98E-06 | 6.36E-05 | 1.18E-05 | 1.25E-05 | 4.05E-06 | 3.34E-05 | 8.31E-05 | 7.32E-02 | 4.88E 00 | 4.63E-05 |
| MUSCLE* | G | 5.30E-05 | 6.14E-05 | 4.87E-05 | 5.35E-05 | 5.12E-05 | 5.86E-05 | 4.97E-05 | 3.88E-05 | 4.63E-05 | 4.63E-05 | 5.26E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.62E-03 |
| | T | 5.30E-05 | 6.14E-05 | 4.87E-05 | 5.35E-05 | 5.12E-05 | 5.86E-05 | 4.97E-05 | 3.88E-05 | 4.63E-05 | 4.63E-05 | 2.67E-03 |
| OVARIES | G | 1.86E-05 | 2.05E-04 | 2.45E-05 | 3.11E-04 | 3.98E-04 | 5.53E-04 | 4.32E-05 | 1.13E-05 | 5.50E-06 | 5.50E-06 | 6.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.86E-05 | 2.05E-04 | 2.45E-05 | 3.11E-04 | 3.98E-04 | 5.53E-04 | 4.32E-05 | 1.13E-05 | 5.50E-06 | 5.50E-06 | 6.86E-05 |

44-RUTHENIUM-106 AND 45-RHODIUM-106 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.92E-04 | 9.34E-06 | 5.95E-04 | 7.12E-05 | 6.40E-05 | 2.58E-05 | 2.28E-04 | 1.61E-04 | 9.23E-05 | 9.23E-05 | 6.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.92E-04 | 9.34E-06 | 5.95E-04 | 7.12E-05 | 6.40E-05 | 2.58E-05 | 2.28E-04 | 1.61E-04 | 9.23E-05 | 9.23E-05 | 6.20E-05 |
| SKELETON BONE | G | 4.71E-05 | 2.01E-05 | 2.08E-05 | 2.71E-05 | 2.48E-05 | 3.58E-05 | 3.39E-05 | 2.53E-05 | 3.45E-05 | 3.45E-05 | 3.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.71E-05 | 2.01E-05 | 2.08E-05 | 2.71E-05 | 2.48E-05 | 3.58E-05 | 3.39E-05 | 2.53E-05 | 3.45E-05 | 3.45E-05 | 3.86E-05 |
| R MARROW | G | 8.41E-05 | 4.27E-05 | 3.57E-05 | 8.54E-05 | 7.34E-05 | 1.07E-04 | 8.55E-05 | 3.68E-05 | 4.35E-05 | 4.35E-05 | 4.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.41E-05 | 4.27E-05 | 3.57E-05 | 8.54E-05 | 7.34E-05 | 1.07E-04 | 8.55E-05 | 3.68E-05 | 4.35E-05 | 4.35E-05 | 4.72E-05 |
| Y MARROW | G | 4.56E-05 | 1.84E-05 | 2.89E-05 | 3.74E-05 | 3.51E-05 | 4.42E-05 | 4.21E-05 | 3.71E-05 | 3.63E-05 | 3.63E-05 | 3.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.56E-05 | 1.84E-05 | 2.89E-05 | 3.74E-05 | 3.51E-05 | 4.42E-05 | 4.21E-05 | 3.71E-05 | 3.63E-05 | 3.63E-05 | 3.85E-05 |
| T E CL | G | 4.71E-05 | 2.01E-05 | 2.08E-05 | 2.71E-05 | 2.48E-05 | 3.58E-05 | 3.39E-05 | 2.53E-05 | 3.45E-05 | 3.45E-05 | 3.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.71E-05 | 2.01E-05 | 2.08E-05 | 2.71E-05 | 2.48E-05 | 3.58E-05 | 3.39E-05 | 2.53E-05 | 3.45E-05 | 3.45E-05 | 3.86E-05 |
| SKIN | G | 2.41E-05 | 2.31E-05 | 2.09E-05 | 1.89E-05 | 1.94E-05 | 2.08E-05 | 2.32E-05 | 2.12E-05 | 2.38E-05 | 2.38E-05 | 3.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.41E-05 | 2.31E-05 | 2.09E-05 | 1.89E-05 | 1.94E-05 | 2.08E-05 | 2.32E-05 | 2.12E-05 | 2.38E-05 | 2.38E-05 | 3.20E-05 |
| SPLEEN | G | 2.19E-04 | 8.10E-06 | 3.27E-04 | 5.44E-05 | 4.38E-05 | 3.36E-05 | 2.86E-04 | 3.57E-05 | 7.37E-05 | 7.37E-05 | 5.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.19E-04 | 8.10E-06 | 3.27E-04 | 5.44E-05 | 4.38E-05 | 3.36E-05 | 2.86E-04 | 3.57E-05 | 7.37E-05 | 7.37E-05 | 5.10E-05 |
| TESTES | G | 2.64E-06 | 1.74E-04 | 1.99E-06 | 1.40E-05 | 1.83E-05 | 6.76E-05 | 5.43E-06 | 4.99E-06 | 9.58E-07 | 9.58E-07 | 4.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.64E-06 | 1.74E-04 | 1.99E-06 | 1.40E-05 | 1.83E-05 | 6.76E-05 | 5.43E-06 | 4.99E-06 | 9.58E-07 | 9.58E-07 | 4.32E-05 |
| THYMUS | G | 3.06E-05 | 1.24E-06 | 1.26E-05 | 5.05E-06 | 5.51E-06 | 2.18E-06 | 1.20E-05 | 4.23E-05 | 1.31E-04 | 1.31E-04 | 5.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.06E-05 | 1.24E-06 | 1.26E-05 | 5.05E-06 | 5.51E-06 | 2.18E-06 | 1.20E-05 | 4.23E-05 | 1.31E-04 | 1.31E-04 | 5.66E-05 |
| THYROID | G | 7.13E-06 | 3.98E-07 | 5.50E-06 | 1.53E-06 | 1.63E-06 | 7.20E-07 | 3.49E-06 | 6.57E-06 | 4.29E-05 | 4.29E-05 | 4.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.13E-06 | 3.98E-07 | 5.50E-06 | 1.53E-06 | 1.63E-06 | 7.20E-07 | 3.49E-06 | 6.57E-06 | 4.29E-05 | 4.29E-05 | 4.77E-05 |
| UTERUS | G | 1.40E-05 | 5.09E-04 | 3.17E-05 | 2.97E-04 | 1.56E-04 | 1.92E-04 | 2.93E-05 | 1.52E-05 | 3.71E-06 | 3.71E-06 | 7.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.40E-05 | 5.09E-04 | 3.17E-05 | 2.97E-04 | 1.56E-04 | 1.92E-04 | 2.93E-05 | 1.52E-05 | 3.71E-06 | 3.71E-06 | 7.05E-05 |
| T BODY | G | 5.82E-05 | 6.45E-05 | 6.13E-05 | 6.75E-05 | 6.59E-05 | 6.55E-05 | 5.86E-05 | 5.88E-05 | 5.01E-05 | 5.01E-05 | 5.01E-05 |
| | B | 1.05E-03 | 1.18E-04 | 3.14E-04 | 8.37E-04 | 5.00E-04 | 6.20E-04 | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 |
| | T | 1.10E-03 | 1.82E-04 | 3.75E-04 | 9.05E-04 | 5.65E-04 | 6.86E-04 | 1.11E-03 | 1.11E-03 | 1.10E-03 | 1.10E-03 | 1.10E-03 |

CONTINUED NEXT PAGE

44-RUTHENIUM-106 AND 45-RHODIUM-106 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.08E-05 | 2.80E-04 | 6.04E-05 | 6.04E-05 | 6.82E-05 | 3.39E-05 | 2.43E-05 | 2.16E-04 | 2.64E-06 | 7.10E-06 | 7.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 2.08E-05 | 2.80E-04 | 6.04E-05 | 6.04E-05 | 6.82E-05 | 3.39E-05 | 2.43E-05 | 2.16E-04 | 2.64E-06 | 7.10E-06 | 1.12E-03 |
| BLAD WALL | G | 2.32E-04 | 6.58E-06 | 2.16E-05 | 2.16E-05 | 2.69E-05 | 9.57E-06 | 2.32E-05 | 6.37E-06 | 1.77E-04 | 4.01E-07 | 6.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 2.32E-04 | 6.58E-06 | 2.16E-05 | 2.16E-05 | 2.69E-05 | 9.57E-06 | 2.32E-05 | 6.37E-06 | 1.77E-04 | 4.01E-07 | 1.11E-03 |
| GI TRACT S WALL | G | 2.89E-05 | 5.84E-04 | 2.01E-05 | 2.01E-05 | 3.59E-05 | 2.59E-05 | 2.27E-05 | 3.35E-04 | 3.89E-06 | 4.62E-06 | 6.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 2.89E-05 | 5.84E-04 | 2.01E-05 | 2.01E-05 | 3.59E-05 | 2.59E-05 | 2.27E-05 | 3.35E-04 | 3.89E-06 | 4.62E-06 | 1.11E-03 |
| SI+CONT | G | 4.03E-04 | 6.13E-05 | 2.82E-05 | 2.82E-05 | 9.23E-05 | 3.63E-05 | 1.96E-05 | 4.82E-05 | 1.87E-05 | 5.40E-07 | 6.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 4.03E-04 | 6.13E-05 | 2.82E-05 | 2.82E-05 | 9.23E-05 | 3.63E-05 | 1.96E-05 | 4.82E-05 | 1.87E-05 | 5.40E-07 | 1.11E-03 |
| ULI WALL | G | 3.78E-04 | 7.50E-05 | 2.49E-05 | 2.49E-05 | 7.02E-05 | 2.99E-05 | 2.08E-05 | 4.86E-05 | 1.20E-05 | 6.69E-07 | 6.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 3.78E-04 | 7.50E-05 | 2.49E-05 | 2.49E-05 | 7.02E-05 | 2.99E-05 | 2.08E-05 | 4.86E-05 | 1.20E-05 | 6.69E-07 | 1.11E-03 |
| LLI WALL | G | 4.83E-04 | 1.89E-05 | 3.37E-05 | 3.37E-05 | 1.06E-04 | 2.87E-05 | 2.15E-05 | 2.38E-05 | 9.45E-05 | 6.08E-07 | 6.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 4.83E-04 | 1.89E-05 | 3.37E-05 | 3.37E-05 | 1.06E-04 | 2.87E-05 | 2.15E-05 | 2.38E-05 | 9.45E-05 | 6.08E-07 | 1.12E-03 |
| KIDNEYS | G | 3.92E-05 | 2.13E-04 | 3.36E-05 | 3.36E-05 | 8.25E-05 | 4.19E-05 | 2.64E-05 | 2.90E-04 | 3.96E-06 | 2.35E-06 | 6.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 3.92E-05 | 2.13E-04 | 3.36E-05 | 3.36E-05 | 8.25E-05 | 4.19E-05 | 2.64E-05 | 2.90E-04 | 3.96E-06 | 2.35E-06 | 1.11E-03 |
| LIVER | G | 2.17E-05 | 1.41E-04 | 2.48E-05 | 2.48E-05 | 3.54E-05 | 3.82E-05 | 2.37E-05 | 3.73E-05 | 2.26E-06 | 5.89E-06 | 6.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 2.17E-05 | 1.41E-04 | 2.48E-05 | 2.48E-05 | 3.54E-05 | 3.82E-05 | 2.37E-05 | 3.73E-05 | 2.26E-06 | 5.89E-06 | 1.11E-03 |
| LUNGS | G | 4.33E-06 | 8.17E-05 | 3.42E-05 | 3.42E-05 | 4.18E-05 | 3.50E-05 | 2.40E-05 | 7.53E-05 | 6.44E-07 | 3.76E-05 | 5.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 4.33E-06 | 8.17E-05 | 3.42E-05 | 3.42E-05 | 4.18E-05 | 3.50E-05 | 2.40E-05 | 7.53E-05 | 6.44E-07 | 3.76E-05 | 1.10E-03 |
| RESP LYM NODE | G | 4.33E-06 | 8.17E-05 | 3.42E-05 | 3.42E-05 | 4.18E-05 | 3.50E-05 | 2.40E-05 | 7.53E-05 | 6.44E-07 | 3.76E-05 | 5.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 4.33E-06 | 8.17E-05 | 3.42E-05 | 3.42E-05 | 4.18E-05 | 3.50E-05 | 2.40E-05 | 7.53E-05 | 6.44E-07 | 3.76E-05 | 1.10E-03 |
| MUSCLE* | G | 6.86E-05 | 6.20E-05 | 3.86E-05 | 3.86E-05 | 4.54E-05 | 3.59E-05 | 3.20E-05 | 5.10E-05 | 4.32E-05 | 4.77E-05 | 5.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 6.86E-05 | 6.20E-05 | 3.86E-05 | 3.86E-05 | 4.54E-05 | 3.59E-05 | 3.20E-05 | 5.10E-05 | 4.32E-05 | 4.77E-05 | 1.10E-03 |
| OVARIES | G | 2.62E-02 | 1.79E-05 | 3.67E-05 | 3.67E-05 | 1.19E-04 | 3.00E-05 | 1.29E-05 | 3.30E-05 | 1.90E-49 | 7.24E-07 | 5.66E-05 |
| | B | 6.66E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 6.69E 00 | 1.79E-05 | 3.67E-05 | 3.67E-05 | 1.19E-04 | 3.00E-05 | 1.29E-05 | 3.30E-05 | 1.90E-49 | 7.24E-07 | 1.10E-03 |

44-RUTHENIUM-106 AND 45-RHODIUM-106 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.18E-05 | 7.29E-03 | 3.23E-05 | 3.23E-05 | 5.54E-05 | 4.34E-05 | 1.98E-05 | 6.60E-04 | 1.91E-06 | 2.71E-06 | 5.94E-05 |
| | B | 0.0 | 7.33E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 2.18E-05 | 7.40E-01 | 3.23E-05 | 3.23E-05 | 5.54E-05 | 4.34E-05 | 1.98E-05 | 6.60E-04 | 1.91E-06 | 2.71E-06 | 1.11E-03 |
| SKELETON BONE | G | 3.17E-05 | 3.16E-05 | 1.20E-04 | 1.20E-04 | 7.99E-05 | 8.87E-05 | 2.96E-05 | 2.66E-05 | 2.29E-05 | 2.61E-05 | 5.15E-05 |
| | B | 0.0 | 0.0 | 1.47E-02 | 8.41E-03 | 4.16E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 3.17E-05 | 3.16E-05 | 1.48E-02 | 8.53E-03 | 4.24E-03 | 8.87E-05 | 2.96E-05 | 2.66E-05 | 2.29E-05 | 2.61E-05 | 1.10E-03 |
| R MARROW | G | 1.05E-04 | 5.94E-05 | 1.07E-04 | 1.07E-04 | 2.55E-04 | 9.20E-05 | 2.76E-05 | 3.91E-05 | 1.82E-05 | 2.87E-05 | 5.66E-05 |
| | B | 0.0 | 0.0 | 1.20E-03 | 2.08E-02 | 3.18E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 1.05E-04 | 5.94E-05 | 1.31E-03 | 2.09E-02 | 3.20E-02 | 9.20E-05 | 2.76E-05 | 3.91E-05 | 1.82E-05 | 2.87E-05 | 1.10E-03 |
| Y MARROW | G | 4.22E-05 | 3.71E-05 | 1.03E-04 | 1.03E-04 | 9.85E-05 | 1.51E-04 | 3.14E-05 | 3.99E-05 | 9.91E-06 | 1.39E-05 | 4.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.88E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 4.22E-05 | 3.71E-05 | 1.03E-04 | 1.03E-04 | 9.85E-05 | 4.90E-02 | 3.14E-05 | 3.99E-05 | 9.91E-06 | 1.39E-05 | 1.09E-03 |
| T E CL | G | 3.17E-05 | 3.16E-05 | 1.20E-04 | 1.20E-04 | 1.08E-04 | 9.80E-05 | 2.96E-05 | 2.66E-05 | 2.29E-05 | 2.61E-05 | 5.15E-05 |
| | B | 0.0 | 0.0 | 8.89E-03 | 1.24E-02 | 1.62E-02 | 1.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 3.17E-05 | 3.16E-05 | 9.01E-03 | 1.25E-02 | 1.63E-02 | 1.23E-02 | 2.96E-05 | 2.66E-05 | 2.29E-05 | 2.61E-05 | 1.10E-03 |
| SKIN | G | 1.86E-05 | 1.81E-05 | 3.03E-05 | 3.03E-05 | 2.62E-05 | 3.38E-05 | 7.06E-05 | 2.22E-05 | 5.52E-05 | 3.05E-05 | 3.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.82E-02 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 1.86E-05 | 1.81E-05 | 3.03E-05 | 3.03E-05 | 2.62E-05 | 3.38E-05 | 2.82E-02 | 2.22E-05 | 5.52E-05 | 3.05E-05 | 1.08E-03 |
| SPLEEN | G | 2.36E-05 | 6.52E-04 | 2.94E-05 | 2.94E-05 | 2.99E-05 | 3.52E-05 | 2.38E-05 | 4.48E-03 | 4.11E-06 | 5.10E-06 | 6.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-01 | 0.0 | 0.0 | 1.05E-03 |
| | T | 2.36E-05 | 6.52E-04 | 2.94E-05 | 2.94E-05 | 2.99E-05 | 3.52E-05 | 2.38E-05 | 4.11E-01 | 4.11E-06 | 5.10E-06 | 1.11E-03 |
| TESTES | G | 1.90E-49 | 2.71E-06 | 2.10E-05 | 2.10E-05 | 1.49E-05 | 3.33E-05 | 2.97E-05 | 3.52E-06 | 1.23E-02 | 1.54E-07 | 6.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.09E 00 | 0.0 | 1.05E-03 |
| | T | 1.90E-49 | 2.71E-06 | 2.10E-05 | 2.10E-05 | 1.49E-05 | 3.33E-05 | 2.97E-05 | 3.52E-06 | 2.11E 00 | 1.54E-07 | 1.11E-03 |
| THYMUS | G | 2.29E-06 | 1.87E-05 | 2.69E-05 | 2.69E-05 | 1.77E-05 | 1.36E-05 | 2.91E-05 | 1.80E-05 | 4.59E-07 | 1.49E-04 | 5.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 2.29E-06 | 1.87E-05 | 2.69E-05 | 2.69E-05 | 1.77E-05 | 1.36E-05 | 2.91E-05 | 1.80E-05 | 4.59E-07 | 1.49E-04 | 1.10E-03 |
| THYROID | G | 7.24E-07 | 5.55E-06 | 3.46E-05 | 3.46E-05 | 3.17E-05 | 1.63E-05 | 2.84E-05 | 5.35E-06 | 1.54E-07 | 1.66E-02 | 5.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.66E 00 | 1.05E-03 |
| | T | 7.24E-07 | 5.55E-06 | 3.46E-05 | 3.46E-05 | 3.17E-05 | 1.63E-05 | 2.84E-05 | 5.35E-06 | 1.54E-07 | 3.68E 00 | 1.10E-03 |
| UTERUS | G | 6.09E-04 | 2.17E-05 | 2.24E-05 | 2.24E-05 | 6.38E-05 | 2.31E-05 | 2.12E-05 | 1.71E-05 | 1.90E-49 | 6.88E-07 | 6.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-03 |
| | T | 6.09E-04 | 2.17E-05 | 2.24E-05 | 2.24E-05 | 6.38E-05 | 2.31E-05 | 2.12E-05 | 1.71E-05 | 1.90E-49 | 6.88E-07 | 1.11E-03 |
| T BODY | G | 6.89E-05 | 6.74E-05 | 4.97E-05 | 4.97E-05 | 5.52E-05 | 4.45E-05 | 3.21E-05 | 5.84E-05 | 4.95E-05 | 4.53E-05 | 5.00E-05 |
| | B | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 | 1.05E-03 |
| | T | 1.12E-03 | 1.11E-03 | 1.10E-03 | 1.10E-03 | 1.10E-03 | 1.09E-03 | 1.08E-03 | 1.11E-03 | 1.10E-03 | 1.09E-03 | 1.10E-03 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 45-RHODIUM-103M (TR=5.700E 01 MIN)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.04E-03 | 8.87E-11 | 3.68E-08 | 4.54E-09 | 9.50E-09 | 7.44E-10 | 6.89E-06 | 1.24E-06 | 2.45E-07 | 2.45E-07 | 1.02E-06 |
| | B | 1.39E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.41E-01 | 8.87E-11 | 3.68E-08 | 4.54E-09 | 9.50E-09 | 7.44E-10 | 6.89E-06 | 1.24E-06 | 2.45E-07 | 2.45E-07 | 1.02E-06 |
| BLAD WALL | G | 9.26E-11 | 1.19E-04 | 5.22E-10 | 5.54E-08 | 3.78E-08 | 6.49E-07 | 3.71E-10 | 2.16E-10 | 3.61E-11 | 3.61E-11 | 4.84E-07 |
| | B | 0.0 | 4.85E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.26E-11 | 4.97E-03 | 5.22E-10 | 5.54E-08 | 3.78E-08 | 6.49E-07 | 3.71E-10 | 2.16E-10 | 3.61E-11 | 3.61E-11 | 4.84E-07 |
| GI TRACT S WALL | G | 8.00E-08 | 4.98E-10 | 7.43E-05 | 7.30E-07 | 1.04E-06 | 1.02E-07 | 1.01E-07 | 9.09E-08 | 3.23E-07 | 3.23E-07 | 3.54E-07 |
| | B | 0.0 | 0.0 | 3.88E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.00E-08 | 4.98E-10 | 3.96E-03 | 7.30E-07 | 1.04E-06 | 1.02E-07 | 1.01E-07 | 9.09E-08 | 3.23E-07 | 3.23E-07 | 3.54E-07 |
| SI+CONT | G | 3.69E-09 | 5.25E-08 | 1.44E-07 | 4.74E-05 | 1.02E-05 | 5.26E-06 | 1.22E-07 | 8.18E-08 | 5.21E-10 | 5.21E-10 | 3.78E-07 |
| | B | 0.0 | 0.0 | 0.0 | 2.43E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.69E-09 | 5.25E-08 | 1.44E-07 | 2.47E-03 | 1.02E-05 | 5.26E-06 | 1.22E-07 | 8.18E-08 | 5.21E-10 | 5.21E-10 | 3.78E-07 |
| ULI WALL | G | 5.54E-09 | 3.18E-08 | 5.51E-07 | 3.33E-05 | 7.10E-05 | 2.67E-06 | 7.38E-08 | 1.92E-07 | 8.05E-10 | 8.05E-10 | 5.44E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.41E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.54E-09 | 3.18E-08 | 5.51E-07 | 3.33E-05 | 4.48E-03 | 2.67E-06 | 7.38E-08 | 1.92E-07 | 8.05E-10 | 8.05E-10 | 5.44E-07 |
| LLI WALL | G | 4.96E-10 | 8.42E-07 | 3.58E-08 | 5.76E-06 | 1.01E-06 | 9.54E-05 | 6.09E-09 | 3.82E-10 | 9.89E-11 | 9.89E-11 | 3.72E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.19E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.96E-10 | 8.42E-07 | 3.58E-08 | 5.76E-06 | 1.01E-06 | 7.28E-03 | 6.09E-09 | 3.82E-10 | 9.89E-11 | 9.89E-11 | 3.72E-07 |
| KIDNEYS | G | 6.43E-06 | 4.16E-10 | 9.24E-08 | 1.15E-07 | 7.03E-08 | 8.08E-09 | 1.94E-04 | 4.57E-07 | 1.39E-08 | 1.39E-08 | 6.32E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.26E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.43E-06 | 4.16E-10 | 9.24E-08 | 1.15E-07 | 7.03E-08 | 8.08E-09 | 6.45E-03 | 4.57E-07 | 1.39E-08 | 1.39E-08 | 6.32E-07 |
| LIVER | G | 1.17E-06 | 3.04E-10 | 6.31E-08 | 1.36E-07 | 2.02E-07 | 5.01E-10 | 4.69E-07 | 4.02E-05 | 6.53E-07 | 6.53E-07 | 3.12E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.17E-06 | 3.04E-10 | 6.31E-08 | 1.36E-07 | 2.02E-07 | 5.01E-10 | 4.69E-07 | 1.12E-03 | 6.53E-07 | 6.53E-07 | 3.12E-07 |
| LUNGS | G | 3.08E-07 | 9.13E-12 | 2.55E-07 | 6.85E-10 | 8.38E-10 | 9.39E-11 | 1.49E-08 | 8.40E-07 | 4.61E-05 | 4.61E-05 | 8.03E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.94E-03 | 1.94E-03 | 0.0 |
| | T | 3.08E-07 | 9.13E-12 | 2.55E-07 | 6.85E-10 | 8.38E-10 | 9.39E-11 | 1.49E-08 | 8.40E-07 | 1.99E-03 | 1.99E-03 | 8.03E-07 |
| RESP LYM NODE | G | 3.08E-07 | 9.13E-12 | 2.55E-07 | 6.85E-10 | 8.38E-10 | 9.39E-11 | 1.49E-08 | 8.40E-07 | 3.97E-05 | 4.61E-05 | 8.03E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.72E-03 | 1.29E-01 | 0.0 |
| | T | 3.08E-07 | 9.13E-12 | 2.55E-07 | 6.85E-10 | 8.38E-10 | 9.39E-11 | 1.49E-08 | 8.40E-07 | 1.76E-03 | 1.29E-01 | 8.03E-07 |
| MUSCLE* | G | 1.02E-06 | 4.84E-07 | 3.54E-07 | 3.78E-07 | 2.93E-07 | 3.72E-07 | 6.32E-07 | 3.12E-07 | 8.03E-07 | 8.03E-07 | 1.42E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.93E-05 |
| | T | 1.02E-06 | 4.84E-07 | 3.54E-07 | 3.78E-07 | 2.93E-07 | 3.72E-07 | 6.32E-07 | 3.12E-07 | 8.03E-07 | 8.03E-07 | 7.07E-05 |
| OVARIES | G | 5.72E-10 | 3.16E-07 | 3.38E-09 | 3.88E-06 | 4.65E-06 | 1.37E-05 | 5.48E-09 | 2.02E-09 | 1.71E-10 | 1.71E-10 | 1.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.72E-10 | 3.16E-07 | 3.38E-09 | 3.88E-06 | 4.65E-06 | 1.37E-05 | 5.48E-09 | 2.02E-09 | 1.71E-10 | 1.71E-10 | 1.01E-06 |

45-RHODIUM-103M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 8.43E-07 | 2.32E-10 | 6.31E-06 | 2.32E-08 | 2.55E-08 | 4.63E-09 | 5.12E-07 | 3.46E-07 | 1.12E-07 | 1.12E-07 | 8.87E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.43E-07 | 2.32E-10 | 6.31E-06 | 2.32E-08 | 2.55E-08 | 4.63E-09 | 5.12E-07 | 3.46E-07 | 1.12E-07 | 1.12E-07 | 8.87E-07 |
| SKELETON BONE | G | 4.86E-07 | 1.11E-08 | 7.08E-08 | 1.75E-07 | 1.40E-07 | 5.27E-07 | 2.21E-07 | 2.01E-07 | 3.45E-07 | 3.45E-07 | 1.48E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.86E-07 | 1.11E-08 | 7.08E-08 | 1.75E-07 | 1.40E-07 | 5.27E-07 | 2.21E-07 | 2.01E-07 | 3.45E-07 | 3.45E-07 | 1.48E-07 |
| R MARROW | G | 7.29E-07 | 3.59E-08 | 7.93E-08 | 7.19E-07 | 5.78E-07 | 2.18E-06 | 5.82E-07 | 1.92E-07 | 3.89E-07 | 3.89E-07 | 7.85E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.29E-07 | 3.59E-08 | 7.93E-08 | 7.19E-07 | 5.78E-07 | 2.18E-06 | 5.82E-07 | 1.92E-07 | 3.89E-07 | 3.89E-07 | 7.85E-07 |
| Y MARROW | G | 4.57E-07 | 1.25E-08 | 9.83E-08 | 2.43E-07 | 1.98E-07 | 7.31E-07 | 2.65E-07 | 3.11E-07 | 4.29E-07 | 4.29E-07 | 7.00E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.57E-07 | 1.25E-08 | 9.83E-08 | 2.43E-07 | 1.98E-07 | 7.31E-07 | 2.65E-07 | 3.11E-07 | 4.29E-07 | 4.29E-07 | 7.00E-07 |
| T E CL | G | 4.86E-07 | 1.11E-08 | 7.08E-08 | 1.75E-07 | 1.40E-07 | 5.27E-07 | 2.21E-07 | 2.01E-07 | 3.45E-07 | 3.45E-07 | 1.48E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.86E-07 | 1.11E-08 | 7.08E-08 | 1.75E-07 | 1.40E-07 | 5.27E-07 | 2.21E-07 | 2.01E-07 | 3.45E-07 | 3.45E-07 | 1.48E-07 |
| SKIN | G | 7.49E-08 | 4.08E-08 | 3.85E-08 | 1.39E-08 | 1.43E-08 | 4.50E-08 | 1.07E-07 | 4.81E-08 | 6.30E-08 | 6.30E-08 | 5.43E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.49E-08 | 4.08E-08 | 3.85E-08 | 1.39E-08 | 1.43E-08 | 4.50E-08 | 1.07E-07 | 4.81E-08 | 6.30E-08 | 6.30E-08 | 5.43E-07 |
| SPLEEN | G | 7.81E-07 | 1.58E-10 | 1.17E-06 | 2.41E-08 | 1.74E-08 | 6.15E-09 | 3.26E-06 | 7.14E-09 | 4.48E-07 | 4.48E-07 | 5.90E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.81E-07 | 1.58E-10 | 1.17E-06 | 2.41E-08 | 1.74E-08 | 6.15E-09 | 3.26E-06 | 7.14E-09 | 4.48E-07 | 4.48E-07 | 5.90E-07 |
| TESTES | G | 7.21E-12 | 2.18E-07 | 3.95E-11 | 6.13E-10 | 6.27E-10 | 4.93E-08 | 3.73E-11 | 2.43E-11 | 3.36E-12 | 3.36E-12 | 2.44E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.21E-12 | 2.18E-07 | 3.95E-11 | 6.13E-10 | 6.27E-10 | 4.93E-08 | 3.73E-11 | 2.43E-11 | 3.36E-12 | 3.36E-12 | 2.44E-07 |
| THYMUS | G | 1.17E-09 | 1.38E-12 | 1.25E-09 | 3.39E-11 | 4.15E-11 | 7.08E-12 | 2.69E-10 | 1.84E-09 | 3.80E-07 | 3.80E-07 | 2.13E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.17E-09 | 1.38E-12 | 1.25E-09 | 3.39E-11 | 4.15E-11 | 7.08E-12 | 2.69E-10 | 1.84E-09 | 3.80E-07 | 3.80E-07 | 2.13E-06 |
| THYROID | G | 6.38E-11 | 1.03E-13 | 4.19E-11 | 2.33E-12 | 2.79E-12 | 5.71E-13 | 1.42E-11 | 6.56E-11 | 8.15E-09 | 8.15E-09 | 1.00E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.38E-11 | 1.03E-13 | 4.19E-11 | 2.33E-12 | 2.79E-12 | 5.71E-13 | 1.42E-11 | 6.56E-11 | 8.15E-09 | 8.15E-09 | 1.00E-06 |
| UTERUS | G | 2.70E-10 | 4.04E-06 | 2.12E-09 | 1.89E-06 | 1.96E-07 | 3.40E-07 | 3.21E-09 | 1.11E-09 | 1.36E-10 | 1.36E-10 | 1.53E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.70E-10 | 4.04E-06 | 2.12E-09 | 1.89E-06 | 1.96E-07 | 3.40E-07 | 3.21E-09 | 1.11E-09 | 1.36E-10 | 1.36E-10 | 1.53E-06 |
| T BODY | G | 1.30E-06 | 1.31E-06 | 1.31E-06 | 1.32E-06 | 1.32E-06 | 1.32E-06 | 1.28E-06 | 1.30E-06 | 1.30E-06 | 1.30E-06 | 1.15E-06 |
| | B | 2.77E-05 | 3.12E-06 | 8.32E-06 | 2.22E-05 | 1.32E-05 | 1.64E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 |
| | T | 2.90E-05 | 4.43E-06 | 9.63E-06 | 2.35E-05 | 1.45E-05 | 1.77E-05 | 2.90E-05 | 2.90E-05 | 2.90E-05 | 2.90E-05 | 2.89E-05 |

CONTINUED NEXT PAGE

45-RHODIUM-103M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 5.72E-10 | 6.42E-07 | 3.46E-07 | 3.46E-07 | 5.61E-07 | 1.33E-07 | 1.22E-07 | 9.79E-07 | 7.21E-12 | 6.38E-11 | 8.48E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 5.72E-10 | 6.42E-07 | 3.46E-07 | 3.46E-07 | 5.61E-07 | 1.33E-07 | 1.22E-07 | 9.79E-07 | 7.21E-12 | 6.38E-11 | 2.86E-05 |
| BLAD WALL | G | 4.50E-07 | 1.54E-10 | 4.32E-09 | 4.32E-09 | 1.71E-08 | 6.24E-09 | 4.63E-08 | 1.83E-10 | 2.96E-07 | 1.07E-13 | 1.61E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 4.50E-07 | 1.54E-10 | 4.32E-09 | 4.32E-09 | 1.71E-08 | 6.24E-09 | 4.63E-08 | 1.83E-10 | 2.96E-07 | 1.07E-13 | 2.93E-05 |
| GI TRACT S WALL | G | 4.89E-09 | 9.51E-06 | 3.03E-08 | 3.03E-08 | 3.30E-08 | 5.64E-08 | 5.68E-08 | 1.40E-06 | 4.49E-11 | 1.38E-10 | 1.33E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 4.89E-09 | 9.51E-06 | 3.03E-08 | 3.03E-08 | 3.30E-08 | 5.64E-08 | 5.68E-08 | 1.40E-06 | 4.49E-11 | 1.38E-10 | 2.91E-05 |
| SI+CONT | G | 5.19E-06 | 1.85E-08 | 5.13E-08 | 5.13E-08 | 2.40E-07 | 7.43E-08 | 1.65E-08 | 1.96E-08 | 8.14E-10 | 2.34E-12 | 1.29E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 5.19E-06 | 1.85E-08 | 5.13E-08 | 5.13E-08 | 2.40E-07 | 7.43E-08 | 1.65E-08 | 1.96E-08 | 8.14E-10 | 2.34E-12 | 2.90E-05 |
| ULI WALL | G | 9.04E-06 | 2.69E-08 | 6.03E-08 | 6.03E-08 | 2.28E-07 | 6.75E-08 | 2.82E-08 | 2.22E-08 | 7.32E-10 | 2.82E-12 | 1.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 9.04E-06 | 2.69E-08 | 6.03E-08 | 6.03E-08 | 2.28E-07 | 6.75E-08 | 2.82E-08 | 2.22E-08 | 7.32E-10 | 2.82E-12 | 2.90E-05 |
| LLI WALL | G | 1.23E-05 | 3.06E-09 | 1.67E-07 | 1.67E-07 | 6.09E-07 | 1.35E-07 | 1.55E-08 | 4.52E-09 | 1.11E-07 | 4.42E-13 | 1.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 1.23E-05 | 3.06E-09 | 1.67E-07 | 1.67E-07 | 6.09E-07 | 1.35E-07 | 1.55E-08 | 4.52E-09 | 1.11E-07 | 4.42E-13 | 2.90E-05 |
| KIDNEYS | G | 5.17E-09 | 4.22E-07 | 6.05E-08 | 6.05E-08 | 1.46E-07 | 9.15E-08 | 1.11E-07 | 3.26E-06 | 2.78E-11 | 1.42E-11 | 1.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 5.17E-09 | 4.22E-07 | 6.05E-08 | 6.05E-08 | 1.46E-07 | 9.15E-08 | 1.11E-07 | 3.26E-06 | 2.78E-11 | 1.42E-11 | 2.89E-05 |
| LIVER | G | 2.39E-09 | 3.93E-07 | 4.89E-08 | 4.89E-08 | 5.62E-08 | 9.31E-08 | 4.99E-08 | 5.87E-09 | 1.97E-11 | 1.35E-10 | 1.30E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 2.39E-09 | 3.93E-07 | 4.89E-08 | 4.89E-08 | 5.62E-08 | 9.31E-08 | 4.99E-08 | 5.87E-09 | 1.97E-11 | 1.35E-10 | 2.90E-05 |
| LUNGS | G | 6.23E-11 | 1.52E-07 | 1.03E-07 | 1.03E-07 | 1.22E-07 | 1.30E-07 | 7.50E-08 | 4.69E-07 | 9.95E-13 | 1.25E-08 | 1.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 6.23E-11 | 1.52E-07 | 1.03E-07 | 1.03E-07 | 1.22E-07 | 1.30E-07 | 7.50E-08 | 4.69E-07 | 9.95E-13 | 1.25E-08 | 2.90E-05 |
| RESP LYM NODE | G | 6.23E-11 | 1.52E-07 | 1.03E-07 | 1.03E-07 | 1.22E-07 | 1.30E-07 | 7.50E-08 | 4.69E-07 | 9.95E-13 | 1.25E-08 | 1.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 6.23E-11 | 1.52E-07 | 1.03E-07 | 1.03E-07 | 1.22E-07 | 1.30E-07 | 7.50E-08 | 4.69E-07 | 9.95E-13 | 1.25E-08 | 2.90E-05 |
| MUSCLE* | G | 1.01E-06 | 8.87E-07 | 1.48E-07 | 1.48E-07 | 1.96E-07 | 2.02E-07 | 5.43E-07 | 5.90E-07 | 2.44E-07 | 1.00E-06 | 1.15E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 1.01E-06 | 8.87E-07 | 1.48E-07 | 1.48E-07 | 1.96E-07 | 2.02E-07 | 5.43E-07 | 5.90E-07 | 2.44E-07 | 1.00E-06 | 2.89E-05 |
| OVARIES | G | 3.59E-03 | 1.33E-09 | 9.51E-08 | 9.51E-08 | 3.09E-07 | 9.00E-08 | 7.34E-09 | 1.32E-09 | 8.54E-47 | 3.96E-13 | 1.31E-06 |
| | B | 1.76E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 1.80E-01 | 1.33E-09 | 9.51E-08 | 9.51E-08 | 3.09E-07 | 9.00E-08 | 7.34E-09 | 1.32E-09 | 8.54E-47 | 3.96E-13 | 2.90E-05 |

45-RHODIUM-103M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.04E-09 | 7.11E-04 | 7.19E-08 | 7.19E-08 | 2.68E-08 | 2.84E-08 | 8.61E-09 | 1.09E-05 | 1.72E-11 | 5.75E-11 | 1.51E-06 |
| | B | 0.0 | 1.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 1.04E-09 | 2.01E-02 | 7.19E-08 | 7.19E-08 | 2.68E-08 | 2.84E-08 | 8.61E-09 | 1.09E-05 | 1.72E-11 | 5.75E-11 | 2.92E-05 |
| SKELETON BONE | G | 1.63E-07 | 9.60E-08 | 7.77E-06 | 7.77E-06 | 4.60E-06 | 5.98E-06 | 5.71E-07 | 1.72E-07 | 1.17E-08 | 4.41E-08 | 1.64E-06 |
| | B | 0.0 | 0.0 | 3.88E-04 | 3.65E-04 | 1.57E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 1.63E-07 | 9.60E-08 | 3.96E-04 | 3.72E-04 | 2.03E-05 | 5.98E-06 | 5.71E-07 | 1.72E-07 | 1.17E-08 | 4.41E-08 | 2.94E-05 |
| R MARROW | G | 6.80E-07 | 1.80E-07 | 7.05E-06 | 7.05E-06 | 2.28E-05 | 6.18E-06 | 5.18E-07 | 1.78E-07 | 6.52E-09 | 4.50E-08 | 1.79E-06 |
| | B | 0.0 | 0.0 | 6.16E-07 | 7.87E-05 | 1.24E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 6.80E-07 | 1.80E-07 | 7.66E-06 | 8.57E-05 | 1.26E-03 | 6.18E-06 | 5.18E-07 | 1.78E-07 | 6.52E-09 | 4.50E-08 | 2.95E-05 |
| Y MARROW | G | 2.28E-07 | 9.24E-08 | 7.07E-06 | 7.07E-06 | 6.81E-06 | 1.59E-05 | 7.11E-07 | 2.47E-07 | 2.58E-09 | 2.38E-08 | 1.72E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.29E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 2.28E-07 | 9.24E-08 | 7.07E-06 | 7.07E-06 | 6.81E-06 | 1.31E-03 | 7.11E-07 | 2.47E-07 | 2.58E-09 | 2.38E-08 | 2.94E-05 |
| T E CL | G | 1.63E-07 | 9.60E-08 | 7.16E-06 | 7.16E-06 | 9.04E-06 | 8.94E-06 | 5.71E-07 | 1.72E-07 | 1.17E-08 | 4.41E-08 | 1.67E-06 |
| | B | 0.0 | 0.0 | 1.31E-04 | 2.74E-04 | 4.65E-04 | 3.23E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 1.63E-07 | 9.60E-08 | 1.38E-04 | 2.81E-04 | 4.74E-04 | 3.32E-04 | 5.71E-07 | 1.72E-07 | 1.17E-08 | 4.41E-08 | 2.94E-05 |
| SKIN | G | 5.37E-09 | 5.39E-09 | 1.59E-07 | 1.59E-07 | 1.27E-07 | 2.17E-07 | 7.20E-06 | 3.46E-08 | 1.28E-06 | 2.88E-07 | 7.41E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.46E-04 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 5.37E-09 | 5.39E-09 | 1.59E-07 | 1.59E-07 | 1.27E-07 | 2.17E-07 | 7.54E-04 | 3.46E-08 | 1.28E-06 | 2.88E-07 | 2.85E-05 |
| SPLEEN | G | 1.26E-09 | 1.13E-05 | 1.16E-07 | 1.16E-07 | 3.58E-08 | 4.86E-08 | 3.73E-08 | 3.38E-04 | 1.45E-11 | 7.94E-11 | 1.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08E-02 | 0.0 | 0.0 | 2.77E-05 |
| | T | 1.26E-09 | 1.13E-05 | 1.16E-07 | 1.16E-07 | 3.58E-08 | 4.86E-08 | 3.73E-08 | 1.11E-02 | 1.45E-11 | 7.94E-11 | 2.90E-05 |
| TESTES | G | 8.54E-47 | 1.72E-11 | 7.85E-09 | 7.85E-09 | 3.05E-09 | 1.20E-08 | 7.26E-07 | 1.44E-11 | 1.21E-03 | 1.11E-14 | 9.08E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.54E-02 | 0.0 | 2.77E-05 |
| | T | 8.54E-47 | 1.72E-11 | 7.85E-09 | 7.85E-09 | 3.05E-09 | 1.20E-08 | 7.26E-07 | 1.44E-11 | 5.67E-02 | 1.11E-14 | 2.86E-05 |
| THYMUS | G | 5.40E-12 | 1.47E-09 | 5.05E-08 | 5.05E-08 | 5.62E-08 | 6.83E-08 | 5.32E-08 | 2.76E-10 | 1.44E-13 | 1.03E-07 | 1.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 5.40E-12 | 1.47E-09 | 5.05E-08 | 5.05E-08 | 5.62E-08 | 6.83E-08 | 5.32E-08 | 2.76E-10 | 1.44E-13 | 1.03E-07 | 2.95E-05 |
| THYROID | G | 3.97E-13 | 5.75E-11 | 3.43E-08 | 3.43E-08 | 2.37E-08 | 3.29E-08 | 2.30E-07 | 3.66E-11 | 1.11E-14 | 1.87E-03 | 1.38E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.70E-02 | 2.77E-05 |
| | T | 3.97E-13 | 5.75E-11 | 3.43E-08 | 3.43E-08 | 2.37E-08 | 3.29E-08 | 2.30E-07 | 3.66E-11 | 1.11E-14 | 9.89E-02 | 2.91E-05 |
| UTERUS | G | 4.91E-06 | 1.33E-09 | 1.23E-08 | 1.23E-08 | 3.92E-08 | 1.33E-08 | 1.32E-08 | 7.00E-10 | 8.54E-47 | 3.50E-13 | 1.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-05 |
| | T | 4.91E-06 | 1.33E-09 | 1.23E-08 | 1.23E-08 | 3.92E-08 | 1.33E-08 | 1.32E-08 | 7.00E-10 | 8.54E-47 | 3.50E-13 | 2.90E-05 |
| T BODY | G | 1.32E-06 | 1.32E-06 | 1.29E-06 | 1.29E-06 | 1.29E-06 | 1.27E-06 | 7.57E-07 | 1.31E-06 | 1.16E-06 | 1.24E-06 | 1.22E-06 |
| | B | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 | 2.77E-05 |
| | T | 2.90E-05 | 2.90E-05 | 2.90E-05 | 2.90E-05 | 2.90E-05 | 2.90E-05 | 2.85E-05 | 2.90E-05 | 2.89E-05 | 2.90E-05 | 2.89E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-GRUNDITZ, Y. ET AL., NUCL. PHYS. A133, 369 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 45-RHODIUM-105M (TR=4.500E 01 SEC)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 9.80E-03 | 7.12E-07 | 1.36E-05 | 4.56E-06 | 4.46E-06 | 1.63E-06 | 8.72E-05 | 2.71E-05 | 1.41E-05 | 1.41E-05 | 1.17E-05 |
| | B | 3.54E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.63E-01 | 7.12E-07 | 1.36E-05 | 4.56E-06 | 4.46E-06 | 1.63E-06 | 8.72E-05 | 2.71E-05 | 1.41E-05 | 1.41E-05 | 1.17E-05 |
| BLAD WALL | G | 6.58E-07 | 9.08E-04 | 1.34E-06 | 1.27E-05 | 1.09E-05 | 3.67E-05 | 1.34E-06 | 7.55E-07 | 1.61E-07 | 1.61E-07 | 1.08E-05 |
| | B | 0.0 | 1.24E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.58E-07 | 1.33E-02 | 1.34E-06 | 1.27E-05 | 1.09E-05 | 3.67E-05 | 1.34E-06 | 7.55E-07 | 1.61E-07 | 1.61E-07 | 1.08E-05 |
| GI TRACT S WALL | G | 1.43E-05 | 1.31E-06 | 6.03E-04 | 2.13E-05 | 2.32E-05 | 9.01E-06 | 1.79E-05 | 9.28E-06 | 1.04E-05 | 1.04E-05 | 7.67E-06 |
| | B | 0.0 | 0.0 | 9.90E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.43E-05 | 1.31E-06 | 1.05E-02 | 2.13E-05 | 2.32E-05 | 9.01E-06 | 1.79E-05 | 9.28E-06 | 1.04E-05 | 1.04E-05 | 7.67E-06 |
| SI+CONT | G | 3.98E-06 | 1.48E-05 | 1.37E-05 | 3.71E-04 | 1.30E-04 | 7.09E-05 | 1.45E-05 | 8.23E-06 | 8.98E-07 | 8.98E-07 | 9.19E-06 |
| | B | 0.0 | 0.0 | 0.0 | 6.19E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.98E-06 | 1.48E-05 | 1.37E-05 | 6.56E-03 | 1.30E-04 | 7.09E-05 | 1.45E-05 | 8.23E-06 | 8.98E-07 | 8.98E-07 | 9.19E-06 |
| ULI WALL | G | 4.53E-06 | 1.06E-05 | 1.97E-05 | 2.70E-04 | 5.43E-04 | 3.31E-05 | 1.42E-05 | 1.31E-05 | 1.06E-06 | 1.06E-06 | 1.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.13E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.53E-06 | 1.06E-05 | 1.97E-05 | 2.70E-04 | 1.18E-02 | 3.31E-05 | 1.42E-05 | 1.31E-05 | 1.06E-06 | 1.06E-06 | 1.02E-05 |
| LLI WALL | G | 1.04E-06 | 4.01E-05 | 5.83E-06 | 6.29E-05 | 2.05E-05 | 6.95E-04 | 3.37E-06 | 1.10E-06 | 3.10E-07 | 3.10E-07 | 9.84E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.04E-06 | 4.01E-05 | 5.83E-06 | 6.29E-05 | 2.05E-05 | 1.90E-02 | 3.37E-06 | 1.10E-06 | 3.10E-07 | 3.10E-07 | 9.84E-06 |
| KIDNEYS | G | 8.50E-05 | 1.26E-06 | 1.72E-05 | 1.61E-05 | 1.41E-05 | 4.09E-06 | 1.15E-03 | 2.13E-05 | 4.11E-06 | 4.11E-06 | 9.51E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.50E-05 | 1.26E-06 | 1.72E-05 | 1.61E-05 | 1.41E-05 | 4.09E-06 | 1.71E-02 | 2.13E-05 | 4.11E-06 | 4.11E-06 | 9.51E-06 |
| LIVER | G | 2.94E-05 | 7.81E-07 | 1.00E-05 | 9.48E-06 | 1.33E-05 | 1.17E-06 | 2.09E-05 | 2.96E-04 | 1.49E-05 | 1.49E-05 | 6.59E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.75E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.94E-05 | 7.81E-07 | 1.00E-05 | 9.48E-06 | 1.33E-05 | 1.17E-06 | 2.09E-05 | 3.05E-03 | 1.49E-05 | 1.49E-05 | 6.59E-06 |
| LUNGS | G | 1.32E-05 | 1.14E-07 | 9.59E-06 | 1.04E-06 | 1.25E-06 | 3.72E-07 | 4.16E-06 | 1.62E-05 | 2.61E-04 | 2.61E-04 | 1.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-03 | 4.95E-03 | 0.0 |
| | T | 1.32E-05 | 1.14E-07 | 9.59E-06 | 1.04E-06 | 1.25E-06 | 3.72E-07 | 4.16E-06 | 1.62E-05 | 5.21E-03 | 5.21E-03 | 1.00E-05 |
| RESP LYM NODE | G | 1.32E-05 | 1.14E-07 | 9.59E-06 | 1.04E-06 | 1.25E-06 | 3.72E-07 | 4.16E-06 | 1.62E-05 | 2.55E-04 | 2.61E-04 | 1.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.76E-03 | 3.30E-01 | 0.0 |
| | T | 1.32E-05 | 1.14E-07 | 9.59E-06 | 1.04E-06 | 1.25E-06 | 3.72E-07 | 4.16E-06 | 1.62E-05 | 5.01E-03 | 3.30E-01 | 1.00E-05 |
| MUSCLE* | G | 1.17E-05 | 1.08E-05 | 8.35E-06 | 9.19E-06 | 8.47E-06 | 9.84E-06 | 9.51E-06 | 6.59E-06 | 1.00E-05 | 1.00E-05 | 1.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.77E-04 |
| | T | 1.17E-05 | 1.08E-05 | 8.35E-06 | 9.19E-06 | 8.47E-06 | 9.84E-06 | 9.51E-06 | 6.59E-06 | 1.00E-05 | 1.00E-05 | 1.90E-04 |
| OVARIES | G | 2.99E-06 | 3.66E-05 | 2.47E-06 | 7.05E-05 | 7.83E-05 | 1.50E-04 | 5.33E-06 | 2.12E-06 | 4.33E-07 | 4.33E-07 | 1.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.99E-06 | 3.66E-05 | 2.47E-06 | 7.05E-05 | 7.83E-05 | 1.50E-04 | 5.33E-06 | 2.12E-06 | 4.33E-07 | 4.33E-07 | 1.43E-05 |

45-RHODIUM-105M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 4.80E-05 | 1.06E-06 | 1.18E-04 | 1.00E-05 | 1.13E-05 | 3.65E-06 | 3.42E-05 | 2.24E-05 | 1.31E-05 | 1.31E-05 | 1.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.80E-05 | 1.06E-06 | 1.18E-04 | 1.00E-05 | 1.13E-05 | 3.65E-06 | 3.42E-05 | 2.24E-05 | 1.31E-05 | 1.31E-05 | 1.28E-05 |
| SKELETON BONE | G | 1.22E-05 | 4.65E-06 | 4.84E-06 | 7.13E-06 | 6.35E-06 | 1.07E-05 | 8.24E-06 | 6.52E-06 | 9.01E-06 | 9.01E-06 | 5.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.22E-05 | 4.65E-06 | 4.84E-06 | 7.13E-06 | 6.35E-06 | 1.07E-05 | 8.24E-06 | 6.52E-06 | 9.01E-06 | 9.01E-06 | 5.37E-06 |
| R MARROW | G | 2.14E-05 | 1.13E-05 | 8.40E-06 | 2.48E-05 | 2.12E-05 | 3.60E-05 | 2.17E-05 | 8.98E-06 | 1.12E-05 | 1.12E-05 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.14E-05 | 1.13E-05 | 8.40E-06 | 2.48E-05 | 2.12E-05 | 3.60E-05 | 2.17E-05 | 8.98E-06 | 1.12E-05 | 1.12E-05 | 1.37E-05 |
| Y MARROW | G | 1.16E-05 | 4.43E-06 | 6.78E-06 | 1.00E-05 | 9.12E-06 | 1.36E-05 | 1.01E-05 | 9.74E-06 | 9.64E-06 | 9.64E-06 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-05 | 4.43E-06 | 6.78E-06 | 1.00E-05 | 9.12E-06 | 1.36E-05 | 1.01E-05 | 9.74E-06 | 9.64E-06 | 9.64E-06 | 1.08E-05 |
| T E CL | G | 1.22E-05 | 4.65E-06 | 4.84E-06 | 7.13E-06 | 6.35E-06 | 1.07E-05 | 8.24E-06 | 6.52E-06 | 9.01E-06 | 9.01E-06 | 5.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.22E-05 | 4.65E-06 | 4.84E-06 | 7.13E-06 | 6.35E-06 | 1.07E-05 | 8.24E-06 | 6.52E-06 | 9.01E-06 | 9.01E-06 | 5.37E-06 |
| SKIN | G | 2.75E-06 | 2.82E-06 | 2.28E-06 | 2.02E-06 | 2.02E-06 | 2.51E-06 | 3.01E-06 | 2.54E-06 | 2.79E-06 | 2.79E-06 | 6.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.75E-06 | 2.82E-06 | 2.28E-06 | 2.02E-06 | 2.02E-06 | 2.51E-06 | 3.01E-06 | 2.54E-06 | 2.79E-06 | 2.79E-06 | 6.01E-06 |
| SPLEEN | G | 3.40E-05 | 3.62E-06 | 5.39E-05 | 7.44E-06 | 7.09E-06 | 3.91E-06 | 5.69E-05 | 4.43E-06 | 1.33E-05 | 1.33E-05 | 9.69E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.40E-05 | 3.62E-06 | 5.39E-05 | 7.44E-06 | 7.09E-06 | 3.91E-06 | 5.69E-05 | 4.43E-06 | 1.33E-05 | 1.33E-05 | 9.69E-06 |
| TESTES | G | 1.41E-07 | 2.36E-05 | 2.31E-07 | 1.45E-06 | 1.26E-06 | 8.47E-06 | 4.02E-07 | 2.82E-07 | 3.43E-08 | 3.43E-08 | 6.53E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.41E-07 | 2.36E-05 | 2.31E-07 | 1.45E-06 | 1.26E-06 | 8.47E-06 | 4.02E-07 | 2.82E-07 | 3.43E-08 | 3.43E-08 | 6.53E-06 |
| THYMUS | G | 1.98E-06 | 4.69E-08 | 1.28E-06 | 3.68E-07 | 4.73E-07 | 1.19E-07 | 9.72E-07 | 3.07E-06 | 2.29E-05 | 2.29E-05 | 1.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.98E-06 | 4.69E-08 | 1.28E-06 | 3.68E-07 | 4.73E-07 | 1.19E-07 | 9.72E-07 | 3.07E-06 | 2.29E-05 | 2.29E-05 | 1.96E-05 |
| THYROID | G | 5.77E-07 | 8.57E-09 | 3.92E-07 | 6.51E-08 | 7.21E-08 | 2.31E-08 | 2.15E-07 | 6.44E-07 | 4.55E-06 | 4.55E-06 | 1.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.77E-07 | 8.57E-09 | 3.92E-07 | 6.51E-08 | 7.21E-08 | 2.31E-08 | 2.15E-07 | 6.44E-07 | 4.55E-06 | 4.55E-06 | 1.10E-05 |
| UTERUS | G | 3.98E-06 | 9.53E-05 | 3.68E-06 | 5.55E-05 | 2.73E-05 | 3.57E-05 | 4.41E-06 | 1.87E-06 | 3.80E-07 | 3.80E-07 | 1.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.98E-06 | 9.53E-05 | 3.68E-06 | 5.55E-05 | 2.73E-05 | 3.57E-05 | 4.41E-06 | 1.87E-06 | 3.80E-07 | 3.80E-07 | 1.83E-05 |
| T BODY | G | 1.39E-05 | 1.49E-05 | 1.44E-05 | 1.56E-05 | 1.53E-05 | 1.54E-05 | 1.38E-05 | 1.40E-05 | 1.29E-05 | 1.29E-05 | 1.14E-05 |
| | B | 7.07E-05 | 7.96E-06 | 2.12E-05 | 5.66E-05 | 3.38E-05 | 4.19E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 |
| | T | 8.46E-05 | 2.29E-05 | 3.56E-05 | 7.22E-05 | 4.91E-05 | 5.73E-05 | 8.45E-05 | 8.47E-05 | 8.37E-05 | 8.37E-05 | 8.21E-05 |

CONTINUED NEXT PAGE

45-RHODIUM-105M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.53E-06 | 4.78E-05 | 6.78E-06 | 6.78E-06 | 1.34E-05 | 6.04E-06 | 3.71E-06 | 3.47E-05 | 1.41E-07 | 5.77E-07 | 1.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 1.53E-06 | 4.78E-05 | 6.78E-06 | 6.78E-06 | 1.34E-05 | 6.04E-06 | 3.71E-06 | 3.47E-05 | 1.41E-07 | 5.77E-07 | 8.25E-05 |
| BLAD WALL | G | 3.70E-05 | 6.73E-07 | 2.52E-06 | 2.52E-06 | 5.02E-06 | 1.98E-06 | 2.52E-06 | 5.13E-07 | 2.45E-05 | 8.69E-09 | 1.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 3.70E-05 | 6.73E-07 | 2.52E-06 | 2.52E-06 | 5.02E-06 | 1.98E-06 | 2.52E-06 | 5.13E-07 | 2.45E-05 | 8.69E-09 | 8.63E-05 |
| GI TRACT S WALL | G | 3.94E-06 | 1.31E-04 | 2.79E-06 | 2.79E-06 | 4.59E-06 | 4.16E-06 | 2.84E-06 | 5.55E-05 | 1.40E-07 | 2.23E-07 | 1.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 3.94E-06 | 1.31E-04 | 2.79E-06 | 2.79E-06 | 4.59E-06 | 4.16E-06 | 2.84E-06 | 5.55E-05 | 1.40E-07 | 2.23E-07 | 8.45E-05 |
| SI+CONT | G | 8.38E-05 | 8.86E-06 | 3.75E-06 | 3.75E-06 | 1.36E-05 | 5.46E-06 | 2.21E-06 | 6.94E-06 | 1.67E-06 | 3.91E-08 | 1.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 8.38E-05 | 8.86E-06 | 3.75E-06 | 3.75E-06 | 1.36E-05 | 5.46E-06 | 2.21E-06 | 6.94E-06 | 1.67E-06 | 3.91E-08 | 8.59E-05 |
| ULI WALL | G | 9.68E-05 | 1.04E-05 | 3.56E-06 | 3.56E-06 | 1.12E-05 | 4.73E-06 | 2.37E-06 | 7.20E-06 | 1.44E-06 | 5.36E-08 | 1.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 9.68E-05 | 1.04E-05 | 3.56E-06 | 3.56E-06 | 1.12E-05 | 4.73E-06 | 2.37E-06 | 7.20E-06 | 1.44E-06 | 5.36E-08 | 8.54E-05 |
| LLI WALL | G | 1.30E-04 | 2.75E-06 | 5.76E-06 | 5.76E-06 | 1.69E-05 | 5.03E-06 | 2.36E-06 | 2.94E-06 | 1.36E-05 | 1.86E-08 | 1.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 1.30E-04 | 2.75E-06 | 5.76E-06 | 5.76E-06 | 1.69E-05 | 5.03E-06 | 2.36E-06 | 2.94E-06 | 1.36E-05 | 1.86E-08 | 8.47E-05 |
| KIDNEYS | G | 4.43E-06 | 3.39E-05 | 4.18E-06 | 4.18E-06 | 1.12E-05 | 5.57E-06 | 3.24E-06 | 5.98E-05 | 1.80E-07 | 1.59E-07 | 1.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 4.43E-06 | 3.39E-05 | 4.18E-06 | 4.18E-06 | 1.12E-05 | 5.57E-06 | 3.24E-06 | 5.98E-05 | 1.80E-07 | 1.59E-07 | 8.37E-05 |
| LIVER | G | 2.57E-06 | 2.33E-05 | 3.38E-06 | 3.38E-06 | 4.66E-06 | 5.21E-06 | 2.77E-06 | 4.74E-06 | 1.41E-07 | 4.31E-07 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 2.57E-06 | 2.33E-05 | 3.38E-06 | 3.38E-06 | 4.66E-06 | 5.21E-06 | 2.77E-06 | 4.74E-06 | 1.41E-07 | 4.31E-07 | 8.44E-05 |
| LUNGS | G | 2.78E-07 | 1.30E-05 | 5.02E-06 | 5.02E-06 | 6.15E-06 | 5.22E-06 | 3.13E-06 | 1.32E-05 | 2.73E-08 | 4.56E-06 | 1.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 2.78E-07 | 1.30E-05 | 5.02E-06 | 5.02E-06 | 6.15E-06 | 5.22E-06 | 3.13E-06 | 1.32E-05 | 2.73E-08 | 4.56E-06 | 8.34E-05 |
| RESP LYM NODE | G | 2.78E-07 | 1.30E-05 | 5.02E-06 | 5.02E-06 | 6.15E-06 | 5.22E-06 | 3.13E-06 | 1.32E-05 | 2.73E-08 | 4.56E-06 | 1.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 2.78E-07 | 1.30E-05 | 5.02E-06 | 5.02E-06 | 6.15E-06 | 5.22E-06 | 3.13E-06 | 1.32E-05 | 2.73E-08 | 4.56E-06 | 8.34E-05 |
| MUSCLE* | G | 1.43E-05 | 1.28E-05 | 5.37E-06 | 5.37E-06 | 6.61E-06 | 5.10E-06 | 6.01E-06 | 9.69E-06 | 6.53E-06 | 1.10E-05 | 1.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 1.43E-05 | 1.28E-05 | 5.37E-06 | 5.37E-06 | 6.61E-06 | 5.10E-06 | 6.01E-06 | 9.69E-06 | 6.53E-06 | 1.10E-05 | 8.21E-05 |
| OVARIES | G | 1.68E-02 | 2.04E-06 | 3.87E-06 | 3.87E-06 | 1.77E-05 | 8.05E-06 | 1.77E-06 | 1.77E-06 | 7.68E-47 | 2.09E-08 | 1.47E-05 |
| | B | 4.50E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 4.67E-01 | 2.04E-06 | 3.87E-06 | 3.87E-06 | 1.77E-05 | 8.05E-06 | 1.77E-06 | 1.77E-06 | 7.68E-47 | 2.09E-08 | 8.54E-05 |

45-RHODIUM-105M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.43E-06 | 3.84E-03 | 4.27E-06 | 4.27E-06 | 8.32E-06 | 5.47E-06 | 2.04E-06 | 1.44E-04 | 2.48E-07 | 3.18E-07 | 1.58E-05 |
| | B | 0.0 | 4.95E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 2.43E-06 | 5.33E-02 | 4.27E-06 | 4.27E-06 | 8.32E-06 | 5.47E-06 | 2.04E-06 | 1.44E-04 | 2.48E-07 | 3.18E-07 | 8.65E-05 |
| SKELETON BONE | G | 8.47E-06 | 7.76E-06 | 5.64E-05 | 5.64E-05 | 3.63E-05 | 4.43E-05 | 7.65E-06 | 6.52E-06 | 4.62E-06 | 5.25E-06 | 1.74E-05 |
| | B | 0.0 | 0.0 | 9.90E-04 | 7.74E-04 | 1.44E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 8.47E-06 | 7.76E-06 | 1.05E-03 | 8.30E-04 | 1.80E-04 | 4.43E-05 | 7.65E-06 | 6.52E-06 | 4.62E-06 | 5.25E-06 | 8.81E-05 |
| R MARROW | G | 3.07E-05 | 1.49E-05 | 5.33E-05 | 5.33E-05 | 1.39E-04 | 4.61E-05 | 7.18E-06 | 9.34E-06 | 3.62E-06 | 5.73E-06 | 1.98E-05 |
| | B | 0.0 | 0.0 | 7.58E-06 | 7.20E-04 | 2.80E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 3.07E-05 | 1.49E-05 | 6.09E-05 | 7.73E-04 | 2.94E-03 | 4.61E-05 | 7.18E-06 | 9.34E-06 | 3.62E-06 | 5.73E-06 | 9.05E-05 |
| Y MARROW | G | 1.15E-05 | 8.87E-06 | 5.23E-05 | 5.23E-05 | 5.05E-05 | 8.58E-05 | 8.55E-06 | 9.75E-06 | 1.67E-06 | 2.70E-06 | 1.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.30E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 1.15E-05 | 8.87E-06 | 5.23E-05 | 5.23E-05 | 5.05E-05 | 3.39E-03 | 8.55E-06 | 9.75E-06 | 1.67E-06 | 2.70E-06 | 8.77E-05 |
| T E CL | G | 8.47E-06 | 7.76E-06 | 5.58E-05 | 5.58E-05 | 5.45E-05 | 5.19E-05 | 7.65E-06 | 6.52E-06 | 4.62E-06 | 5.25E-06 | 1.74E-05 |
| | B | 0.0 | 0.0 | 5.53E-04 | 1.12E-03 | 9.06E-04 | 8.25E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 8.47E-06 | 7.76E-06 | 6.09E-04 | 1.17E-03 | 9.61E-04 | 8.77E-04 | 7.65E-06 | 6.52E-06 | 4.62E-06 | 5.25E-06 | 8.81E-05 |
| SKIN | G | 1.96E-06 | 1.93E-06 | 3.85E-06 | 3.85E-06 | 3.38E-06 | 4.52E-06 | 3.18E-05 | 2.38E-06 | 1.27E-05 | 4.83E-06 | 6.64E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.90E-03 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 1.96E-06 | 1.93E-06 | 3.85E-06 | 3.85E-06 | 3.38E-06 | 4.52E-06 | 1.94E-03 | 2.38E-06 | 1.27E-05 | 4.83E-06 | 7.74E-05 |
| SPLEEN | G | 2.32E-06 | 1.49E-04 | 3.28E-06 | 3.28E-06 | 4.61E-06 | 5.24E-06 | 2.75E-06 | 2.03E-03 | 8.14E-08 | 4.95E-07 | 1.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.75E-02 | 0.0 | 0.0 | 7.07E-05 |
| | T | 2.32E-06 | 1.49E-04 | 3.28E-06 | 3.28E-06 | 4.61E-06 | 5.24E-06 | 2.75E-06 | 2.95E-02 | 8.14E-08 | 4.95E-07 | 8.42E-05 |
| TESTES | G | 7.68E-47 | 2.48E-07 | 3.16E-06 | 3.16E-06 | 2.32E-06 | 5.33E-06 | 7.74E-06 | 2.17E-07 | 6.56E-03 | 2.01E-09 | 9.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-01 | 0.0 | 7.07E-05 |
| | T | 7.68E-47 | 2.48E-07 | 3.16E-06 | 3.16E-06 | 2.32E-06 | 5.33E-06 | 7.74E-06 | 2.17E-07 | 1.48E-01 | 2.01E-09 | 8.00E-05 |
| THYMUS | G | 1.16E-07 | 2.69E-06 | 2.80E-06 | 2.80E-06 | 4.59E-06 | 3.84E-06 | 3.15E-06 | 1.33E-06 | 1.06E-08 | 2.07E-05 | 1.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 1.16E-07 | 2.69E-06 | 2.80E-06 | 2.80E-06 | 4.59E-06 | 3.84E-06 | 3.15E-06 | 1.33E-06 | 1.06E-08 | 2.07E-05 | 8.70E-05 |
| THYROID | G | 2.09E-08 | 5.41E-07 | 3.84E-06 | 3.84E-06 | 3.34E-06 | 6.11E-06 | 4.36E-06 | 3.95E-07 | 2.02E-09 | 9.52E-03 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.48E-01 | 7.07E-05 |
| | T | 2.09E-08 | 5.41E-07 | 3.84E-06 | 3.84E-06 | 3.34E-06 | 6.11E-06 | 4.36E-06 | 3.95E-07 | 2.02E-09 | 2.57E-01 | 8.14E-05 |
| UTERUS | G | 1.23E-04 | 2.46E-06 | 2.76E-06 | 2.76E-06 | 1.07E-05 | 3.31E-06 | 2.00E-06 | 1.95E-06 | 7.68E-47 | 1.93E-08 | 1.59E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-05 |
| | T | 1.23E-04 | 2.46E-06 | 2.76E-06 | 2.76E-06 | 1.07E-05 | 3.31E-06 | 2.00E-06 | 1.95E-06 | 7.68E-47 | 1.93E-08 | 8.66E-05 |
| T BODY | G | 1.59E-05 | 1.57E-05 | 1.29E-05 | 1.29E-05 | 1.36E-05 | 1.18E-05 | 6.91E-06 | 1.40E-05 | 1.16E-05 | 1.15E-05 | 1.22E-05 |
| | B | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 | 7.07E-05 |
| | T | 8.66E-05 | 8.64E-05 | 8.36E-05 | 8.36E-05 | 8.44E-05 | 8.25E-05 | 7.76E-05 | 8.47E-05 | 8.23E-05 | 8.22E-05 | 8.29E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA SHEETS B11, NUMBER 4 (APRIL 1974)
DATE DECAY DATA REVIEWED-FEBRUARY 1975

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 45-RHODIUM-105 (TR=3.550E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 6.05E-03 | 2.95E-06 | 3.21E-05 | 2.07E-05 | 1.33E-05 | 6.70E-06 | 1.52E-04 | 7.02E-05 | 3.44E-05 | 3.44E-05 | 2.08E-05 |
| | B | 5.61E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.68E-01 | 2.95E-06 | 3.21E-05 | 2.07E-05 | 1.33E-05 | 6.70E-06 | 1.52E-04 | 7.02E-05 | 3.44E-05 | 3.44E-05 | 2.08E-05 |
| BLAD WALL | G | 1.62E-06 | 1.00E-03 | 4.37E-06 | 4.08E-05 | 2.88E-05 | 8.71E-05 | 4.78E-06 | 3.23E-06 | 8.40E-07 | 8.40E-07 | 2.48E-05 |
| | B | 0.0 | 1.97E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.62E-06 | 2.07E-02 | 4.37E-06 | 4.08E-05 | 2.88E-05 | 8.71E-05 | 4.78E-06 | 3.23E-06 | 8.40E-07 | 8.40E-07 | 2.48E-05 |
| GI TRACT S WALL | G | 4.12E-05 | 4.18E-06 | 7.15E-04 | 5.00E-05 | 5.16E-05 | 2.51E-05 | 4.72E-05 | 2.70E-05 | 2.59E-05 | 2.59E-05 | 1.96E-05 |
| | B | 0.0 | 0.0 | 1.57E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.12E-05 | 4.18E-06 | 1.64E-02 | 5.00E-05 | 5.16E-05 | 2.51E-05 | 4.72E-05 | 2.70E-05 | 2.59E-05 | 2.59E-05 | 1.96E-05 |
| SI+CONT | G | 1.25E-05 | 3.89E-05 | 3.67E-05 | 4.30E-04 | 2.31E-04 | 1.29E-04 | 3.96E-05 | 2.31E-05 | 3.22E-06 | 3.22E-06 | 2.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 9.83E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.25E-05 | 3.89E-05 | 3.67E-05 | 1.03E-02 | 2.31E-04 | 1.29E-04 | 3.96E-05 | 2.31E-05 | 3.22E-06 | 3.22E-06 | 2.17E-05 |
| ULI WALL | G | 1.36E-05 | 3.31E-05 | 4.83E-05 | 3.23E-04 | 5.89E-04 | 5.93E-05 | 4.04E-05 | 3.49E-05 | 4.13E-06 | 4.13E-06 | 2.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.79E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.36E-05 | 3.31E-05 | 4.83E-05 | 3.23E-04 | 1.85E-02 | 5.93E-05 | 4.04E-05 | 3.49E-05 | 4.13E-06 | 4.13E-06 | 2.27E-05 |
| LLI WALL | G | 3.90E-06 | 9.90E-05 | 1.81E-05 | 9.76E-05 | 4.18E-05 | 7.04E-04 | 1.21E-05 | 3.82E-06 | 1.40E-06 | 1.40E-06 | 2.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.91E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.90E-06 | 9.90E-05 | 1.81E-05 | 9.76E-05 | 4.18E-05 | 2.98E-02 | 1.21E-05 | 3.82E-06 | 1.40E-06 | 1.40E-06 | 2.37E-05 |
| KIDNEYS | G | 1.62E-04 | 4.51E-06 | 4.83E-05 | 4.33E-05 | 3.84E-05 | 1.28E-05 | 9.82E-04 | 5.33E-05 | 1.32E-05 | 1.32E-05 | 1.97E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.54E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.62E-04 | 4.51E-06 | 4.83E-05 | 4.33E-05 | 3.84E-05 | 1.28E-05 | 2.63E-02 | 5.33E-05 | 1.32E-05 | 1.32E-05 | 1.97E-05 |
| LIVER | G | 6.91E-05 | 3.39E-06 | 2.79E-05 | 2.58E-05 | 3.58E-05 | 4.33E-06 | 5.45E-05 | 3.54E-04 | 3.42E-05 | 3.42E-05 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-03 | 0.0 | 0.0 | 0.0 |
| | T | 6.91E-05 | 3.39E-06 | 2.79E-05 | 2.58E-05 | 3.58E-05 | 4.33E-06 | 5.45E-05 | 4.72E-03 | 3.42E-05 | 3.42E-05 | 1.53E-05 |
| LUNGS | G | 3.41E-05 | 4.84E-07 | 2.45E-05 | 3.99E-06 | 4.21E-06 | 1.31E-06 | 1.24E-05 | 3.43E-05 | 2.01E-04 | 2.01E-04 | 1.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.86E-03 | 7.86E-03 | 0.0 |
| | T | 3.41E-05 | 4.84E-07 | 2.45E-05 | 3.99E-06 | 4.21E-06 | 1.31E-06 | 1.24E-05 | 3.43E-05 | 8.06E-03 | 8.06E-03 | 1.84E-05 |
| RESP LYM NODE | G | 3.41E-05 | 4.84E-07 | 2.45E-05 | 3.99E-06 | 4.21E-06 | 1.31E-06 | 1.24E-05 | 3.43E-05 | 2.01E-04 | 2.01E-04 | 1.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.86E-03 | 5.24E-01 | 0.0 |
| | T | 3.41E-05 | 4.84E-07 | 2.45E-05 | 3.99E-06 | 4.21E-06 | 1.31E-06 | 1.24E-05 | 3.43E-05 | 8.06E-03 | 5.24E-01 | 1.84E-05 |
| MUSCLE* | G | 2.08E-05 | 2.48E-05 | 1.96E-05 | 2.17E-05 | 2.06E-05 | 2.37E-05 | 1.97E-05 | 1.53E-05 | 1.84E-05 | 1.84E-05 | 2.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.81E-04 |
| | T | 2.08E-05 | 2.48E-05 | 1.96E-05 | 2.17E-05 | 2.06E-05 | 2.37E-05 | 1.97E-05 | 1.53E-05 | 1.84E-05 | 1.84E-05 | 3.01E-04 |
| OVARIES | G | 8.04E-06 | 1.00E-04 | 6.36E-06 | 1.38E-04 | 1.68E-04 | 2.58E-04 | 1.69E-05 | 5.39E-06 | 1.89E-06 | 1.89E-06 | 2.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.04E-06 | 1.00E-04 | 6.36E-06 | 1.38E-04 | 1.68E-04 | 2.58E-04 | 1.69E-05 | 5.39E-06 | 1.89E-06 | 1.89E-06 | 2.77E-05 |

45-RHODIUM-105 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.19E-04 | 4.07E-06 | 2.49E-04 | 2.89E-05 | 3.07E-05 | 1.01E-05 | 9.04E-05 | 5.86E-05 | 3.67E-05 | 3.67E-05 | 2.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.19E-04 | 4.07E-06 | 2.49E-04 | 2.89E-05 | 3.07E-05 | 1.01E-05 | 9.04E-05 | 5.86E-05 | 3.67E-05 | 3.67E-05 | 2.50E-05 |
| SKELETON BONE | G | 2.10E-05 | 9.72E-06 | 9.53E-06 | 1.28E-05 | 1.16E-05 | 1.65E-05 | 1.51E-05 | 1.17E-05 | 1.53E-05 | 1.53E-05 | 1.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.10E-05 | 9.72E-06 | 9.53E-06 | 1.28E-05 | 1.16E-05 | 1.65E-05 | 1.51E-05 | 1.17E-05 | 1.53E-05 | 1.53E-05 | 1.50E-05 |
| R MARROW | G | 3.83E-05 | 2.16E-05 | 1.69E-05 | 4.15E-05 | 3.58E-05 | 4.98E-05 | 3.90E-05 | 1.71E-05 | 1.94E-05 | 1.94E-05 | 2.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.83E-05 | 2.16E-05 | 1.69E-05 | 4.15E-05 | 3.58E-05 | 4.98E-05 | 3.90E-05 | 1.71E-05 | 1.94E-05 | 1.94E-05 | 2.10E-05 |
| Y MARROW | G | 2.03E-05 | 8.93E-06 | 1.32E-05 | 1.78E-05 | 1.65E-05 | 2.04E-05 | 1.87E-05 | 1.72E-05 | 1.59E-05 | 1.59E-05 | 1.65E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.03E-05 | 8.93E-06 | 1.32E-05 | 1.78E-05 | 1.65E-05 | 2.04E-05 | 1.87E-05 | 1.72E-05 | 1.59E-05 | 1.59E-05 | 1.65E-05 |
| T E CL | G | 2.10E-05 | 9.72E-06 | 9.53E-06 | 1.28E-05 | 1.16E-05 | 1.65E-05 | 1.51E-05 | 1.17E-05 | 1.53E-05 | 1.53E-05 | 1.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.10E-05 | 9.72E-06 | 9.53E-06 | 1.28E-05 | 1.16E-05 | 1.65E-05 | 1.51E-05 | 1.17E-05 | 1.53E-05 | 1.53E-05 | 1.50E-05 |
| SKIN | G | 8.72E-06 | 8.36E-06 | 7.24E-06 | 6.82E-06 | 6.93E-06 | 7.75E-06 | 8.58E-06 | 7.82E-06 | 8.75E-06 | 8.75E-06 | 1.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.72E-06 | 8.36E-06 | 7.24E-06 | 6.82E-06 | 6.93E-06 | 7.75E-06 | 8.58E-06 | 7.82E-06 | 8.75E-06 | 8.75E-06 | 1.16E-05 |
| SPLEEN | G | 9.22E-05 | 2.50E-06 | 1.37E-04 | 2.19E-05 | 1.87E-05 | 1.17E-05 | 1.20E-04 | 1.35E-05 | 3.13E-05 | 3.13E-05 | 2.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.22E-05 | 2.50E-06 | 1.37E-04 | 2.19E-05 | 1.87E-05 | 1.17E-05 | 1.20E-04 | 1.35E-05 | 3.13E-05 | 3.13E-05 | 2.04E-05 |
| TESTES | G | 7.86E-07 | 6.60E-05 | 7.13E-07 | 5.03E-06 | 5.55E-06 | 2.87E-05 | 1.83E-06 | 1.35E-06 | 2.43E-07 | 2.43E-07 | 1.67E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.86E-07 | 6.60E-05 | 7.13E-07 | 5.03E-06 | 5.55E-06 | 2.87E-05 | 1.83E-06 | 1.35E-06 | 2.43E-07 | 2.43E-07 | 1.67E-05 |
| THYMUS | G | 8.40E-06 | 3.22E-07 | 3.38E-06 | 1.69E-06 | 1.87E-06 | 6.49E-07 | 3.87E-06 | 1.27E-05 | 5.42E-05 | 5.42E-05 | 3.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.40E-06 | 3.22E-07 | 3.38E-06 | 1.69E-06 | 1.87E-06 | 6.49E-07 | 3.87E-06 | 1.27E-05 | 5.42E-05 | 5.42E-05 | 3.40E-05 |
| THYROID | G | 2.48E-06 | 8.31E-08 | 1.87E-06 | 4.16E-07 | 4.50E-07 | 1.75E-07 | 1.10E-06 | 2.98E-06 | 1.37E-05 | 1.37E-05 | 1.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.48E-06 | 8.31E-08 | 1.87E-06 | 4.16E-07 | 4.50E-07 | 1.75E-07 | 1.10E-06 | 2.98E-06 | 1.37E-05 | 1.37E-05 | 1.87E-05 |
| UTERUS | G | 2.31E-05 | 2.14E-04 | 1.20E-05 | 1.27E-04 | 6.48E-05 | 9.12E-05 | 1.40E-05 | 5.77E-06 | 1.37E-06 | 1.37E-06 | 3.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.31E-05 | 2.14E-04 | 1.20E-05 | 1.27E-04 | 6.48E-05 | 9.12E-05 | 1.40E-05 | 5.77E-06 | 1.37E-06 | 1.37E-06 | 3.03E-05 |
| T BODY | G | 2.33E-05 | 2.61E-05 | 2.47E-05 | 2.76E-05 | 2.68E-05 | 2.67E-05 | 2.35E-05 | 2.36E-05 | 2.02E-05 | 2.02E-05 | 1.95E-05 |
| | B | 1.12E-04 | 1.26E-05 | 3.37E-05 | 8.98E-05 | 5.36E-05 | 6.65E-05 | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 |
| | T | 1.36E-04 | 3.87E-05 | 5.83E-05 | 1.17E-04 | 8.04E-05 | 9.32E-05 | 1.36E-04 | 1.36E-04 | 1.33E-04 | 1.33E-04 | 1.32E-04 |

CONTINUED NEXT PAGE

45-RHODIUM-105 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 6.54E-06 | 1.17E-04 | 2.00E-05 | 2.00E-05 | 3.31E-05 | 1.85E-05 | 1.09E-05 | 8.85E-05 | 7.86E-07 | 2.48E-06 | 2.82E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 6.54E-06 | 1.17E-04 | 2.00E-05 | 2.00E-05 | 3.31E-05 | 1.85E-05 | 1.09E-05 | 8.85E-05 | 7.86E-07 | 2.48E-06 | 1.40E-04 |
| BLAD WALL | G | 9.52E-05 | 2.42E-06 | 7.64E-06 | 7.64E-06 | 1.03E-05 | 4.64E-06 | 7.99E-06 | 2.23E-06 | 6.86E-05 | 8.38E-08 | 2.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 9.52E-05 | 2.42E-06 | 7.64E-06 | 7.64E-06 | 1.03E-05 | 4.64E-06 | 7.99E-06 | 2.23E-06 | 6.86E-05 | 8.38E-08 | 1.37E-04 |
| GI TRACT S WALL | G | 1.14E-05 | 2.50E-04 | 8.18E-06 | 8.18E-06 | 1.50E-05 | 1.04E-05 | 8.27E-06 | 1.34E-04 | 1.05E-06 | 1.04E-06 | 2.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 1.14E-05 | 2.50E-04 | 8.18E-06 | 8.18E-06 | 1.50E-05 | 1.04E-05 | 8.27E-06 | 1.34E-04 | 1.05E-06 | 1.04E-06 | 1.38E-04 |
| SI+CONT | G | 1.65E-04 | 2.56E-05 | 1.09E-05 | 1.09E-05 | 3.69E-05 | 1.49E-05 | 7.17E-06 | 1.98E-05 | 6.53E-06 | 1.79E-07 | 2.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 1.65E-04 | 2.56E-05 | 1.09E-05 | 1.09E-05 | 3.69E-05 | 1.49E-05 | 7.17E-06 | 1.98E-05 | 6.53E-06 | 1.79E-07 | 1.40E-04 |
| ULI WALL | G | 1.57E-04 | 3.08E-05 | 1.02E-05 | 1.02E-05 | 2.94E-05 | 1.30E-05 | 7.14E-06 | 1.81E-05 | 4.95E-06 | 1.54E-07 | 2.59E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 1.57E-04 | 3.08E-05 | 1.02E-05 | 1.02E-05 | 2.94E-05 | 1.30E-05 | 7.14E-06 | 1.81E-05 | 4.95E-06 | 1.54E-07 | 1.38E-04 |
| LLI WALL | G | 2.00E-04 | 7.86E-06 | 1.43E-05 | 1.43E-05 | 4.16E-05 | 1.23E-05 | 7.55E-06 | 9.28E-06 | 3.94E-05 | 1.44E-07 | 2.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 2.00E-04 | 7.86E-06 | 1.43E-05 | 1.43E-05 | 4.16E-05 | 1.23E-05 | 7.55E-06 | 9.28E-06 | 3.94E-05 | 1.44E-07 | 1.37E-04 |
| KIDNEYS | G | 1.45E-05 | 8.84E-05 | 1.29E-05 | 1.29E-05 | 3.21E-05 | 1.60E-05 | 9.60E-06 | 1.22E-04 | 1.04E-06 | 6.03E-07 | 2.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 1.45E-05 | 8.84E-05 | 1.29E-05 | 1.29E-05 | 3.21E-05 | 1.60E-05 | 9.60E-06 | 1.22E-04 | 1.04E-06 | 6.03E-07 | 1.37E-04 |
| LIVER | G | 8.40E-06 | 5.99E-05 | 9.59E-06 | 9.59E-06 | 1.40E-05 | 1.44E-05 | 8.55E-06 | 1.47E-05 | 6.35E-07 | 1.89E-06 | 2.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 8.40E-06 | 5.99E-05 | 9.59E-06 | 9.59E-06 | 1.40E-05 | 1.44E-05 | 8.55E-06 | 1.47E-05 | 6.35E-07 | 1.89E-06 | 1.36E-04 |
| LUNGS | G | 1.22E-06 | 3.45E-05 | 1.38E-05 | 1.38E-05 | 1.70E-05 | 1.38E-05 | 9.16E-06 | 3.10E-05 | 1.83E-07 | 1.39E-05 | 2.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 1.22E-06 | 3.45E-05 | 1.38E-05 | 1.38E-05 | 1.70E-05 | 1.38E-05 | 9.16E-06 | 3.10E-05 | 1.83E-07 | 1.39E-05 | 1.33E-04 |
| RESP LYM NODE | G | 1.22E-06 | 3.45E-05 | 1.38E-05 | 1.38E-05 | 1.70E-05 | 1.38E-05 | 9.16E-06 | 3.10E-05 | 1.83E-07 | 1.39E-05 | 2.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 1.22E-06 | 3.45E-05 | 1.38E-05 | 1.38E-05 | 1.70E-05 | 1.38E-05 | 9.16E-06 | 3.10E-05 | 1.83E-07 | 1.39E-05 | 1.33E-04 |
| MUSCLE* | G | 2.77E-05 | 2.50E-05 | 1.50E-05 | 1.50E-05 | 1.79E-05 | 1.36E-05 | 1.16E-05 | 2.04E-05 | 1.67E-05 | 1.87E-05 | 1.95E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 2.77E-05 | 2.50E-05 | 1.50E-05 | 1.50E-05 | 1.79E-05 | 1.36E-05 | 1.16E-05 | 2.04E-05 | 1.67E-05 | 1.87E-05 | 1.32E-04 |
| OVARIES | G | 1.02E-02 | 4.75E-06 | 1.18E-05 | 1.18E-05 | 3.85E-05 | 1.68E-05 | 5.89E-06 | 1.07E-05 | 6.81E-49 | 1.69E-07 | 2.50E-05 |
| | B | 7.15E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 7.25E-01 | 4.75E-06 | 1.18E-05 | 1.18E-05 | 3.85E-05 | 1.68E-05 | 5.89E-06 | 1.07E-05 | 6.81E-49 | 1.69E-07 | 1.37E-04 |

45-RHODIUM-105 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 7.25E-06 | 2.83E-03 | 1.43E-05 | 1.43E-05 | 2.32E-05 | 1.86E-05 | 8.17E-06 | 2.65E-04 | 8.71E-07 | 1.33E-06 | 2.79E-05 |
| | B | 0.0 | 7.86E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 7.25E-06 | 8.14E-02 | 1.43E-05 | 1.43E-05 | 2.32E-05 | 1.86E-05 | 8.17E-06 | 2.65E-04 | 8.71E-07 | 1.33E-06 | 1.40E-04 |
| SKELETON BONE | G | 1.51E-05 | 1.46E-05 | 5.02E-05 | 5.02E-05 | 3.36E-05 | 3.66E-05 | 1.19E-05 | 1.20E-05 | 1.02E-05 | 1.13E-05 | 2.21E-05 |
| | B | 0.0 | 0.0 | 1.57E-03 | 1.10E-03 | 3.17E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 1.51E-05 | 1.46E-05 | 1.62E-03 | 1.15E-03 | 3.50E-04 | 3.66E-05 | 1.19E-05 | 1.20E-05 | 1.02E-05 | 1.13E-05 | 1.34E-04 |
| R MARROW | G | 5.14E-05 | 2.80E-05 | 4.48E-05 | 4.48E-05 | 1.07E-04 | 3.78E-05 | 1.12E-05 | 1.83E-05 | 8.28E-06 | 1.24E-05 | 2.49E-05 |
| | B | 0.0 | 0.0 | 2.04E-05 | 1.58E-03 | 4.13E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 5.14E-05 | 2.80E-05 | 6.52E-05 | 1.63E-03 | 4.24E-03 | 3.78E-05 | 1.12E-05 | 1.83E-05 | 8.28E-06 | 1.24E-05 | 1.37E-04 |
| Y MARROW | G | 2.02E-05 | 1.71E-05 | 4.32E-05 | 4.32E-05 | 4.12E-05 | 6.22E-05 | 1.24E-05 | 1.78E-05 | 4.13E-06 | 5.93E-06 | 2.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.24E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 2.02E-05 | 1.71E-05 | 4.32E-05 | 4.32E-05 | 4.12E-05 | 5.30E-03 | 1.24E-05 | 1.78E-05 | 4.13E-06 | 5.93E-06 | 1.33E-04 |
| T E CL | G | 1.51E-05 | 1.46E-05 | 5.02E-05 | 5.02E-05 | 4.52E-05 | 4.04E-05 | 1.19E-05 | 1.20E-05 | 1.02E-05 | 1.13E-05 | 2.21E-05 |
| | B | 0.0 | 0.0 | 9.56E-04 | 1.83E-03 | 1.40E-03 | 1.31E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 1.51E-05 | 1.46E-05 | 1.01E-03 | 1.88E-03 | 1.45E-03 | 1.35E-03 | 1.19E-05 | 1.20E-05 | 1.02E-05 | 1.13E-05 | 1.34E-04 |
| SKIN | G | 6.78E-06 | 6.52E-06 | 1.11E-05 | 1.11E-05 | 9.90E-06 | 1.23E-05 | 2.57E-05 | 7.78E-06 | 2.11E-05 | 1.16E-05 | 1.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.02E-03 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 6.78E-06 | 6.52E-06 | 1.11E-05 | 1.11E-05 | 9.90E-06 | 1.23E-05 | 3.05E-03 | 7.78E-06 | 2.11E-05 | 1.16E-05 | 1.24E-04 |
| SPLEEN | G | 8.55E-06 | 2.66E-04 | 1.02E-05 | 1.02E-05 | 1.23E-05 | 1.45E-05 | 8.54E-06 | 1.76E-03 | 8.85E-07 | 1.74E-06 | 2.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-02 | 0.0 | 0.0 | 1.12E-04 |
| | T | 8.55E-06 | 2.66E-04 | 1.02E-05 | 1.02E-05 | 1.23E-05 | 1.45E-05 | 8.54E-06 | 4.54E-02 | 8.85E-07 | 1.74E-06 | 1.37E-04 |
| TESTES | G | 6.81E-49 | 1.01E-06 | 8.50E-06 | 8.50E-06 | 4.93E-06 | 1.46E-05 | 1.38E-05 | 1.11E-06 | 4.81E-03 | 2.66E-08 | 1.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.25E-01 | 0.0 | 1.12E-04 |
| | T | 6.81E-49 | 1.01E-06 | 8.50E-06 | 8.50E-06 | 4.93E-06 | 1.46E-05 | 1.38E-05 | 1.11E-06 | 2.29E-01 | 2.66E-08 | 1.32E-04 |
| THYMUS | G | 6.67E-07 | 1.03E-05 | 8.10E-06 | 8.10E-06 | 8.97E-06 | 8.46E-06 | 1.07E-05 | 5.81E-06 | 9.86E-08 | 6.06E-05 | 2.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 6.67E-07 | 1.03E-05 | 8.10E-06 | 8.10E-06 | 8.97E-06 | 8.46E-06 | 1.07E-05 | 5.81E-06 | 9.86E-08 | 6.06E-05 | 1.41E-04 |
| THYROID | G | 1.70E-07 | 2.35E-06 | 1.40E-05 | 1.40E-05 | 1.12E-05 | 1.30E-05 | 1.11E-05 | 1.80E-06 | 2.66E-08 | 6.41E-03 | 1.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.93E-01 | 1.12E-04 |
| | T | 1.70E-07 | 2.35E-06 | 1.40E-05 | 1.40E-05 | 1.12E-05 | 1.30E-05 | 1.11E-05 | 1.80E-06 | 2.66E-08 | 3.99E-01 | 1.31E-04 |
| UTERUS | G | 2.79E-04 | 9.01E-06 | 8.52E-06 | 8.52E-06 | 3.04E-05 | 9.05E-06 | 6.42E-06 | 5.95E-06 | 6.81E-49 | 1.59E-07 | 2.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-04 |
| | T | 2.79E-04 | 9.01E-06 | 8.52E-06 | 8.52E-06 | 3.04E-05 | 9.05E-06 | 6.42E-06 | 5.95E-06 | 6.81E-49 | 1.59E-07 | 1.40E-04 |
| T BODY | G | 2.81E-05 | 2.75E-05 | 1.99E-05 | 1.99E-05 | 2.22E-05 | 1.74E-05 | 1.18E-05 | 2.35E-05 | 1.94E-05 | 1.78E-05 | 1.98E-05 |
| | B | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.12E-04 |
| | T | 1.40E-04 | 1.40E-04 | 1.32E-04 | 1.32E-04 | 1.34E-04 | 1.30E-04 | 1.24E-04 | 1.36E-04 | 1.32E-04 | 1.30E-04 | 1.32E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH. ED.
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 45-RHODIUM-106 (TR=3.000E 01 SEC)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.59E-02 | 8.23E-06 | 7.51E-05 | 4.25E-05 | 3.66E-05 | 1.72E-05 | 4.29E-04 | 1.68E-04 | 8.32E-05 | 8.32E-05 | 5.30E-05 |
| | B | 5.20E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.21E 00 | 8.23E-06 | 7.51E-05 | 4.25E-05 | 3.66E-05 | 1.72E-05 | 4.29E-04 | 1.68E-04 | 8.32E-05 | 8.32E-05 | 5.30E-05 |
| BLAD WALL | G | 4.93E-06 | 2.53E-03 | 1.62E-05 | 1.10E-04 | 6.73E-05 | 1.91E-04 | 1.40E-05 | 1.09E-05 | 2.74E-06 | 2.74E-06 | 6.14E-05 |
| | B | 0.0 | 1.82E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.93E-06 | 1.84E-01 | 1.62E-05 | 1.10E-04 | 6.73E-05 | 1.91E-04 | 1.40E-05 | 1.09E-05 | 2.74E-06 | 2.74E-06 | 6.14E-05 |
| GI TRACT S WALL | G | 1.02E-04 | 1.29E-05 | 1.79E-03 | 1.18E-04 | 1.24E-04 | 6.06E-05 | 1.15E-04 | 6.60E-05 | 6.45E-05 | 6.45E-05 | 4.87E-05 |
| | B | 0.0 | 0.0 | 1.45E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.02E-04 | 1.29E-05 | 1.47E-01 | 1.18E-04 | 1.24E-04 | 6.06E-05 | 1.15E-04 | 6.60E-05 | 6.45E-05 | 6.45E-05 | 4.87E-05 |
| SI+CONT | G | 3.34E-05 | 9.10E-05 | 9.02E-05 | 1.06E-03 | 5.57E-04 | 3.07E-04 | 9.51E-05 | 5.48E-05 | 1.01E-05 | 1.01E-05 | 5.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 9.09E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.34E-05 | 9.10E-05 | 9.02E-05 | 9.20E-02 | 5.57E-04 | 3.07E-04 | 9.51E-05 | 5.48E-05 | 1.01E-05 | 1.01E-05 | 5.35E-05 |
| ULI WALL | G | 3.69E-05 | 7.88E-05 | 1.12E-04 | 7.83E-04 | 1.48E-03 | 1.44E-04 | 9.93E-05 | 8.72E-05 | 1.36E-05 | 1.36E-05 | 5.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.69E-05 | 7.88E-05 | 1.12E-04 | 7.83E-04 | 1.67E-01 | 1.44E-04 | 9.93E-05 | 8.72E-05 | 1.36E-05 | 1.36E-05 | 5.64E-05 |
| LLI WALL | G | 1.18E-05 | 2.41E-04 | 4.48E-05 | 2.33E-04 | 1.05E-04 | 1.77E-03 | 3.07E-05 | 1.10E-05 | 2.83E-06 | 2.83E-06 | 5.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.69E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-05 | 2.41E-04 | 4.48E-05 | 2.33E-04 | 1.05E-04 | 2.71E-01 | 3.07E-05 | 1.10E-05 | 2.83E-06 | 2.83E-06 | 5.86E-05 |
| KIDNEYS | G | 3.93E-04 | 1.34E-05 | 1.13E-04 | 1.09E-04 | 9.49E-05 | 2.96E-05 | 2.51E-03 | 1.29E-04 | 3.60E-05 | 3.60E-05 | 4.97E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.35E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.93E-04 | 1.34E-05 | 1.13E-04 | 1.09E-04 | 9.49E-05 | 2.96E-05 | 2.37E-01 | 1.29E-04 | 3.60E-05 | 3.60E-05 | 4.97E-05 |
| LIVER | G | 1.67E-04 | 1.01E-05 | 7.00E-05 | 6.28E-05 | 8.52E-05 | 1.25E-05 | 1.37E-04 | 8.82E-04 | 8.22E-05 | 8.22E-05 | 3.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.04E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.67E-04 | 1.01E-05 | 7.00E-05 | 6.28E-05 | 8.52E-05 | 1.25E-05 | 1.37E-04 | 4.13E-02 | 8.22E-05 | 8.22E-05 | 3.88E-05 |
| LUNGS | G | 8.07E-05 | 1.98E-06 | 6.36E-05 | 1.18E-05 | 1.25E-05 | 4.05E-06 | 3.34E-05 | 8.31E-05 | 5.00E-04 | 5.00E-04 | 4.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.27E-02 | 7.27E-02 | 0.0 |
| | T | 8.07E-05 | 1.98E-06 | 6.36E-05 | 1.18E-05 | 1.25E-05 | 4.05E-06 | 3.34E-05 | 8.31E-05 | 7.32E-02 | 7.32E-02 | 4.63E-05 |
| RESP LYM NODE | G | 8.07E-05 | 1.98E-06 | 6.36E-05 | 1.18E-05 | 1.25E-05 | 4.05E-06 | 3.34E-05 | 8.31E-05 | 5.00E-04 | 5.00E-04 | 4.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.27E-02 | 4.85E 00 | 0.0 |
| | T | 8.07E-05 | 1.98E-06 | 6.36E-05 | 1.18E-05 | 1.25E-05 | 4.05E-06 | 3.34E-05 | 8.31E-05 | 7.32E-02 | 4.85E 00 | 4.63E-05 |
| MUSCLE* | G | 5.30E-05 | 6.14E-05 | 4.87E-05 | 5.35E-05 | 5.12E-05 | 5.86E-05 | 4.97E-05 | 3.88E-05 | 4.63E-05 | 4.63E-05 | 5.26E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-03 |
| | T | 5.30E-05 | 6.14E-05 | 4.87E-05 | 5.35E-05 | 5.12E-05 | 5.86E-05 | 4.97E-05 | 3.88E-05 | 4.63E-05 | 4.63E-05 | 2.65E-03 |
| OVARIES | G | 1.86E-05 | 2.05E-04 | 2.45E-05 | 3.11E-04 | 3.98E-04 | 5.53E-04 | 4.32E-05 | 1.13E-05 | 5.50E-06 | 5.50E-06 | 6.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.86E-05 | 2.05E-04 | 2.45E-05 | 3.11E-04 | 3.98E-04 | 5.53E-04 | 4.32E-05 | 1.13E-05 | 5.50E-06 | 5.50E-06 | 6.86E-05 |

45-RHODIUM-106 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 2.92E-04 | 9.34E-06 | 5.95E-04 | 7.12E-05 | 6.40E-05 | 2.58E-05 | 2.28E-04 | 1.61E-04 | 9.23E-05 | 9.23E-05 | 6.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.92E-04 | 9.34E-06 | 5.95E-04 | 7.12E-05 | 6.40E-05 | 2.58E-05 | 2.28E-04 | 1.61E-04 | 9.23E-05 | 9.23E-05 | 6.20E-05 |
| SKELETON BONE | G | 4.71E-05 | 2.01E-05 | 2.08E-05 | 2.71E-05 | 2.48E-05 | 3.58E-05 | 3.39E-05 | 2.53E-05 | 3.45E-05 | 3.45E-05 | 3.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.71E-05 | 2.01E-05 | 2.08E-05 | 2.71E-05 | 2.48E-05 | 3.58E-05 | 3.39E-05 | 2.53E-05 | 3.45E-05 | 3.45E-05 | 3.86E-05 |
| R MARROW | G | 8.41E-05 | 4.27E-05 | 3.57E-05 | 8.54E-05 | 7.34E-05 | 1.07E-04 | 8.55E-05 | 3.68E-05 | 4.35E-05 | 4.35E-05 | 4.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.41E-05 | 4.27E-05 | 3.57E-05 | 8.54E-05 | 7.34E-05 | 1.07E-04 | 8.55E-05 | 3.68E-05 | 4.35E-05 | 4.35E-05 | 4.72E-05 |
| Y MARROW | G | 4.56E-05 | 1.84E-05 | 2.89E-05 | 3.74E-05 | 3.51E-05 | 4.42E-05 | 4.21E-05 | 3.71E-05 | 3.63E-05 | 3.63E-05 | 3.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.56E-05 | 1.84E-05 | 2.89E-05 | 3.74E-05 | 3.51E-05 | 4.42E-05 | 4.21E-05 | 3.71E-05 | 3.63E-05 | 3.63E-05 | 3.85E-05 |
| T E CL | G | 4.71E-05 | 2.01E-05 | 2.08E-05 | 2.71E-05 | 2.48E-05 | 3.58E-05 | 3.39E-05 | 2.53E-05 | 3.45E-05 | 3.45E-05 | 3.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.71E-05 | 2.01E-05 | 2.08E-05 | 2.71E-05 | 2.48E-05 | 3.58E-05 | 3.39E-05 | 2.53E-05 | 3.45E-05 | 3.45E-05 | 3.86E-05 |
| SKIN | G | 2.41E-05 | 2.31E-05 | 2.09E-05 | 1.89E-05 | 1.94E-05 | 2.08E-05 | 2.32E-05 | 2.12E-05 | 2.38E-05 | 2.38E-05 | 3.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.41E-05 | 2.31E-05 | 2.09E-05 | 1.89E-05 | 1.94E-05 | 2.08E-05 | 2.32E-05 | 2.12E-05 | 2.38E-05 | 2.38E-05 | 3.20E-05 |
| SPLEEN | G | 2.19E-04 | 8.10E-06 | 3.27E-04 | 5.44E-05 | 4.38E-05 | 3.36E-05 | 2.86E-04 | 3.57E-05 | 7.37E-05 | 7.37E-05 | 5.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.19E-04 | 8.10E-06 | 3.27E-04 | 5.44E-05 | 4.38E-05 | 3.36E-05 | 2.86E-04 | 3.57E-05 | 7.37E-05 | 7.37E-05 | 5.10E-05 |
| TESTES | G | 2.64E-06 | 1.74E-04 | 1.99E-06 | 1.40E-05 | 1.83E-05 | 6.76E-05 | 5.43E-06 | 4.99E-06 | 9.58E-07 | 9.58E-07 | 4.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.64E-06 | 1.74E-04 | 1.99E-06 | 1.40E-05 | 1.83E-05 | 6.76E-05 | 5.43E-06 | 4.99E-06 | 9.58E-07 | 9.58E-07 | 4.32E-05 |
| THYMUS | G | 3.06E-05 | 1.24E-06 | 1.26E-05 | 5.05E-06 | 5.51E-06 | 2.18E-06 | 1.20E-05 | 4.23E-05 | 1.31E-04 | 1.31E-04 | 5.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.06E-05 | 1.24E-06 | 1.26E-05 | 5.05E-06 | 5.51E-06 | 2.18E-06 | 1.20E-05 | 4.23E-05 | 1.31E-04 | 1.31E-04 | 5.66E-05 |
| THYROID | G | 7.13E-06 | 3.98E-07 | 5.50E-06 | 1.53E-06 | 1.63E-06 | 7.20E-07 | 3.49E-06 | 6.57E-06 | 4.29E-05 | 4.29E-05 | 4.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.13E-06 | 3.98E-07 | 5.50E-06 | 1.53E-06 | 1.63E-06 | 7.20E-07 | 3.49E-06 | 6.57E-06 | 4.29E-05 | 4.29E-05 | 4.77E-05 |
| UTERUS | G | 1.40E-05 | 5.09E-04 | 3.17E-05 | 2.97E-04 | 1.56E-04 | 1.92E-04 | 2.93E-05 | 1.52E-05 | 3.71E-06 | 3.71E-06 | 7.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.40E-05 | 5.09E-04 | 3.17E-05 | 2.97E-04 | 1.56E-04 | 1.92E-04 | 2.93E-05 | 1.52E-05 | 3.71E-06 | 3.71E-06 | 7.05E-05 |
| T BODY | G | 5.82E-05 | 6.45E-05 | 6.13E-05 | 6.75E-05 | 6.59E-05 | 6.55E-05 | 5.86E-05 | 5.88E-05 | 5.01E-05 | 5.01E-05 | 5.01E-05 |
| | B | 1.04E-03 | 1.17E-04 | 3.12E-04 | 8.31E-04 | 4.96E-04 | 6.16E-04 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 |
| | T | 1.10E-03 | 1.81E-04 | 3.73E-04 | 8.99E-04 | 5.62E-04 | 6.81E-04 | 1.10E-03 | 1.10E-03 | 1.09E-03 | 1.09E-03 | 1.09E-03 |

CONTINUED NEXT PAGE

45-RHODIUM-106 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.08E-05 | 2.80E-04 | 6.04E-05 | 6.04E-05 | 6.82E-05 | 3.39E-05 | 2.43E-05 | 2.16E-04 | 2.64E-06 | 7.10E-06 | 7.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 2.08E-05 | 2.80E-04 | 6.04E-05 | 6.04E-05 | 6.82E-05 | 3.39E-05 | 2.43E-05 | 2.16E-04 | 2.64E-06 | 7.10E-06 | 1.12E-03 |
| BLAD WALL | G | 2.32E-04 | 6.58E-06 | 2.16E-05 | 2.16E-05 | 2.69E-05 | 9.57E-06 | 2.32E-05 | 6.37E-06 | 1.77E-04 | 4.01E-07 | 6.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 2.32E-04 | 6.58E-06 | 2.16E-05 | 2.16E-05 | 2.69E-05 | 9.57E-06 | 2.32E-05 | 6.37E-06 | 1.77E-04 | 4.01E-07 | 1.10E-03 |
| GI TRACT S WALL | G | 2.89E-05 | 5.84E-04 | 2.01E-05 | 2.01E-05 | 3.59E-05 | 2.59E-05 | 2.27E-05 | 3.35E-04 | 3.89E-06 | 4.62E-06 | 6.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 2.89E-05 | 5.84E-04 | 2.01E-05 | 2.01E-05 | 3.59E-05 | 2.59E-05 | 2.27E-05 | 3.35E-04 | 3.89E-06 | 4.62E-06 | 1.10E-03 |
| SI+CONT | G | 4.03E-04 | 6.13E-05 | 2.82E-05 | 2.82E-05 | 9.23E-05 | 3.63E-05 | 1.96E-05 | 4.82E-05 | 1.87E-05 | 5.40E-07 | 6.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 4.03E-04 | 6.13E-05 | 2.82E-05 | 2.82E-05 | 9.23E-05 | 3.63E-05 | 1.96E-05 | 4.82E-05 | 1.87E-05 | 5.40E-07 | 1.11E-03 |
| ULI WALL | G | 3.78E-04 | 7.50E-05 | 2.49E-05 | 2.49E-05 | 7.02E-05 | 2.99E-05 | 2.08E-05 | 4.86E-05 | 1.20E-05 | 6.69E-07 | 6.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 3.78E-04 | 7.50E-05 | 2.49E-05 | 2.49E-05 | 7.02E-05 | 2.99E-05 | 2.08E-05 | 4.86E-05 | 1.20E-05 | 6.69E-07 | 1.11E-03 |
| LLI WALL | G | 4.83E-04 | 1.89E-05 | 3.37E-05 | 3.37E-05 | 1.06E-04 | 2.87E-05 | 2.15E-05 | 2.38E-05 | 9.45E-05 | 6.08E-07 | 6.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 4.83E-04 | 1.89E-05 | 3.37E-05 | 3.37E-05 | 1.06E-04 | 2.87E-05 | 2.15E-05 | 2.38E-05 | 9.45E-05 | 6.08E-07 | 1.11E-03 |
| KIDNEYS | G | 3.92E-05 | 2.13E-04 | 3.36E-05 | 3.36E-05 | 8.25E-05 | 4.19E-05 | 2.64E-05 | 2.90E-04 | 3.96E-06 | 2.35E-06 | 6.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 3.92E-05 | 2.13E-04 | 3.36E-05 | 3.36E-05 | 8.25E-05 | 4.19E-05 | 2.64E-05 | 2.90E-04 | 3.96E-06 | 2.35E-06 | 1.10E-03 |
| LIVER | G | 2.17E-05 | 1.41E-04 | 2.48E-05 | 2.48E-05 | 3.54E-05 | 3.82E-05 | 2.37E-05 | 3.73E-05 | 2.26E-06 | 5.89E-06 | 6.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 2.17E-05 | 1.41E-04 | 2.48E-05 | 2.48E-05 | 3.54E-05 | 3.82E-05 | 2.37E-05 | 3.73E-05 | 2.26E-06 | 5.89E-06 | 1.10E-03 |
| LUNGS | G | 4.33E-06 | 8.17E-05 | 3.42E-05 | 3.42E-05 | 4.18E-05 | 3.50E-05 | 2.40E-05 | 7.53E-05 | 6.44E-07 | 3.76E-05 | 5.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 4.33E-06 | 8.17E-05 | 3.42E-05 | 3.42E-05 | 4.18E-05 | 3.50E-05 | 2.40E-05 | 7.53E-05 | 6.44E-07 | 3.76E-05 | 1.09E-03 |
| RESP LYM NODE | G | 4.33E-06 | 8.17E-05 | 3.42E-05 | 3.42E-05 | 4.18E-05 | 3.50E-05 | 2.40E-05 | 7.53E-05 | 6.44E-07 | 3.76E-05 | 5.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 4.33E-06 | 8.17E-05 | 3.42E-05 | 3.42E-05 | 4.18E-05 | 3.50E-05 | 2.40E-05 | 7.53E-05 | 6.44E-07 | 3.76E-05 | 1.09E-03 |
| MUSCLE* | G | 6.86E-05 | 6.20E-05 | 3.86E-05 | 3.86E-05 | 4.54E-05 | 3.59E-05 | 3.20E-05 | 5.10E-05 | 4.32E-05 | 4.77E-05 | 5.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 6.86E-05 | 6.20E-05 | 3.86E-05 | 3.86E-05 | 4.54E-05 | 3.59E-05 | 3.20E-05 | 5.10E-05 | 4.32E-05 | 4.77E-05 | 1.09E-03 |
| OVARIES | G | 2.62E-02 | 1.79E-05 | 3.67E-05 | 3.67E-05 | 1.19E-04 | 3.00E-05 | 1.29E-05 | 3.30E-05 | 1.90E-49 | 7.24E-07 | 5.66E-05 |
| | B | 6.61E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 6.64E 00 | 1.79E-05 | 3.67E-05 | 3.67E-05 | 1.19E-04 | 3.00E-05 | 1.29E-05 | 3.30E-05 | 1.90E-49 | 7.24E-07 | 1.10E-03 |

45-RHODIUM-106 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.18E-05 | 7.29E-03 | 3.23E-05 | 3.23E-05 | 5.54E-05 | 4.34E-05 | 1.98E-05 | 6.60E-04 | 1.91E-06 | 2.71E-06 | 5.94E-05 |
| | B | 0.0 | 7.27E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 2.18E-05 | 7.35E-01 | 3.23E-05 | 3.23E-05 | 5.54E-05 | 4.34E-05 | 1.98E-05 | 6.60E-04 | 1.91E-06 | 2.71E-06 | 1.10E-03 |
| SKELETON BONE | G | 3.17E-05 | 3.16E-05 | 1.20E-04 | 1.20E-04 | 7.99E-05 | 8.87E-05 | 2.96E-05 | 2.66E-05 | 2.29E-05 | 2.61E-05 | 5.15E-05 |
| | B | 0.0 | 0.0 | 1.45E-02 | 8.31E-03 | 4.16E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 3.17E-05 | 3.16E-05 | 1.47E-02 | 8.43E-03 | 4.24E-03 | 8.87E-05 | 2.96E-05 | 2.66E-05 | 2.29E-05 | 2.61E-05 | 1.09E-03 |
| R MARROW | G | 1.05E-04 | 5.94E-05 | 1.07E-04 | 1.07E-04 | 2.55E-04 | 9.20E-05 | 2.76E-05 | 3.91E-05 | 1.82E-05 | 2.87E-05 | 5.66E-05 |
| | B | 0.0 | 0.0 | 1.20E-03 | 2.08E-02 | 3.14E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 1.05E-04 | 5.94E-05 | 1.31E-03 | 2.09E-02 | 3.17E-02 | 9.20E-05 | 2.76E-05 | 3.91E-05 | 1.82E-05 | 2.87E-05 | 1.10E-03 |
| Y MARROW | G | 4.22E-05 | 3.71E-05 | 1.03E-04 | 1.03E-04 | 9.85E-05 | 1.51E-04 | 3.14E-05 | 3.99E-05 | 9.91E-06 | 1.39E-05 | 4.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.85E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 4.22E-05 | 3.71E-05 | 1.03E-04 | 1.03E-04 | 9.85E-05 | 4.86E-02 | 3.14E-05 | 3.99E-05 | 9.91E-06 | 1.39E-05 | 1.09E-03 |
| T E CL | G | 3.17E-05 | 3.16E-05 | 1.20E-04 | 1.20E-04 | 1.08E-04 | 9.80E-05 | 2.96E-05 | 2.66E-05 | 2.29E-05 | 2.61E-05 | 5.15E-05 |
| | B | 0.0 | 0.0 | 8.88E-03 | 1.24E-02 | 1.60E-02 | 1.21E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 3.17E-05 | 3.16E-05 | 9.00E-03 | 1.25E-02 | 1.61E-02 | 1.22E-02 | 2.96E-05 | 2.66E-05 | 2.29E-05 | 2.61E-05 | 1.09E-03 |
| SKIN | G | 1.86E-05 | 1.81E-05 | 3.03E-05 | 3.03E-05 | 2.62E-05 | 3.38E-05 | 7.06E-05 | 2.22E-05 | 5.52E-05 | 3.05E-05 | 3.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.80E-02 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 1.86E-05 | 1.81E-05 | 3.03E-05 | 3.03E-05 | 2.62E-05 | 3.38E-05 | 2.80E-02 | 2.22E-05 | 5.52E-05 | 3.05E-05 | 1.07E-03 |
| SPLEEN | G | 2.36E-05 | 6.52E-04 | 2.94E-05 | 2.94E-05 | 2.99E-05 | 3.52E-05 | 2.38E-05 | 4.48E-03 | 4.11E-06 | 5.10E-06 | 6.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.04E-01 | 0.0 | 0.0 | 1.04E-03 |
| | T | 2.36E-05 | 6.52E-04 | 2.94E-05 | 2.94E-05 | 2.99E-05 | 3.52E-05 | 2.38E-05 | 4.09E-01 | 4.11E-06 | 5.10E-06 | 1.10E-03 |
| TESTES | G | 1.90E-49 | 2.71E-06 | 2.10E-05 | 2.10E-05 | 1.49E-05 | 3.33E-05 | 2.97E-05 | 3.52E-06 | 1.23E-02 | 1.54E-07 | 6.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E 00 | 0.0 | 1.04E-03 |
| | T | 1.90E-49 | 2.71E-06 | 2.10E-05 | 2.10E-05 | 1.49E-05 | 3.33E-05 | 2.97E-05 | 3.52E-06 | 2.09E 00 | 1.54E-07 | 1.10E-03 |
| THYMUS | G | 2.29E-06 | 1.87E-05 | 2.69E-05 | 2.69E-05 | 1.77E-05 | 1.36E-05 | 2.91E-05 | 1.80E-05 | 4.59E-07 | 1.49E-04 | 5.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 2.29E-06 | 1.87E-05 | 2.69E-05 | 2.69E-05 | 1.77E-05 | 1.36E-05 | 2.91E-05 | 1.80E-05 | 4.59E-07 | 1.49E-04 | 1.09E-03 |
| THYROID | G | 7.24E-07 | 5.55E-06 | 3.46E-05 | 3.46E-05 | 3.17E-05 | 1.63E-05 | 2.84E-05 | 5.35E-06 | 1.54E-07 | 1.66E-02 | 5.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.64E 00 | 1.04E-03 |
| | T | 7.24E-07 | 5.55E-06 | 3.46E-05 | 3.46E-05 | 3.17E-05 | 1.63E-05 | 2.84E-05 | 5.35E-06 | 1.54E-07 | 3.65E 00 | 1.09E-03 |
| UTERUS | G | 6.09E-04 | 2.17E-05 | 2.24E-05 | 2.24E-05 | 6.38E-05 | 2.31E-05 | 2.12E-05 | 1.71E-05 | 1.90E-49 | 6.88E-07 | 6.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 6.09E-04 | 2.17E-05 | 2.24E-05 | 2.24E-05 | 6.38E-05 | 2.31E-05 | 2.12E-05 | 1.71E-05 | 1.90E-49 | 6.88E-07 | 1.10E-03 |
| T BODY | G | 6.89E-05 | 6.74E-05 | 4.97E-05 | 4.97E-05 | 5.52E-05 | 4.45E-05 | 3.21E-05 | 5.84E-05 | 4.95E-05 | 4.53E-05 | 5.00E-05 |
| | B | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 1.04E-03 |
| | T | 1.11E-03 | 1.11E-03 | 1.09E-03 | 1.09E-03 | 1.09E-03 | 1.08E-03 | 1.07E-03 | 1.10E-03 | 1.09E-03 | 1.08E-03 | 1.09E-03 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-STRUTZ, KL.-D. ET AL., Z. PHYSIK 221, 231 (1969)
DATE DECAY DATA REVIEWED-NOVEMBER 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 46-PALLADIUM-103 (TR=1.840E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.42E-02 | 1.24E-08 | 3.64E-07 | 1.00E-07 | 1.14E-07 | 2.95E-08 | 6.16E-05 | 1.11E-05 | 2.21E-06 | 2.21E-06 | 9.07E-06 |
| | B | 2.15E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.57E-02 | 1.24E-08 | 3.64E-07 | 1.00E-07 | 1.14E-07 | 2.95E-08 | 6.16E-05 | 1.11E-05 | 2.21E-06 | 2.21E-06 | 9.07E-06 |
| BLAD WALL | G | 6.45E-09 | 1.05E-03 | 2.19E-08 | 5.76E-07 | 3.85E-07 | 5.80E-06 | 2.14E-08 | 1.60E-08 | 3.67E-09 | 3.67E-09 | 4.33E-06 |
| | B | 0.0 | 7.53E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.45E-09 | 1.80E-03 | 2.19E-08 | 5.76E-07 | 3.85E-07 | 5.80E-06 | 2.14E-08 | 1.60E-08 | 3.67E-09 | 3.67E-09 | 4.33E-06 |
| GI TRACT S WALL | G | 7.81E-07 | 1.89E-08 | 6.59E-04 | 6.56E-06 | 9.22E-06 | 9.42E-07 | 9.52E-07 | 8.40E-07 | 2.89E-06 | 2.89E-06 | 3.17E-06 |
| | B | 0.0 | 0.0 | 6.02E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.81E-07 | 1.89E-08 | 1.26E-03 | 6.56E-06 | 9.22E-06 | 9.42E-07 | 9.52E-07 | 8.40E-07 | 2.89E-06 | 2.89E-06 | 3.17E-06 |
| SI+CONT | G | 7.00E-08 | 5.21E-07 | 1.33E-06 | 4.11E-04 | 9.05E-05 | 4.69E-05 | 1.14E-06 | 7.68E-07 | 1.62E-08 | 1.62E-08 | 3.39E-06 |
| | B | 0.0 | 0.0 | 0.0 | 3.76E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.00E-08 | 5.21E-07 | 1.33E-06 | 7.87E-04 | 9.05E-05 | 4.69E-05 | 1.14E-06 | 7.68E-07 | 1.62E-08 | 1.62E-08 | 3.39E-06 |
| ULI WALL | G | 8.73E-08 | 3.50E-07 | 4.91E-06 | 2.90E-04 | 6.29E-04 | 2.37E-05 | 7.19E-07 | 1.74E-06 | 2.21E-08 | 2.21E-08 | 4.81E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 6.84E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.73E-08 | 3.50E-07 | 4.91E-06 | 2.90E-04 | 1.31E-03 | 2.37E-05 | 7.19E-07 | 1.74E-06 | 2.21E-08 | 2.21E-08 | 4.81E-06 |
| LLI WALL | G | 1.90E-08 | 7.50E-06 | 3.55E-07 | 5.10E-05 | 9.00E-06 | 8.45E-04 | 8.89E-08 | 1.77E-08 | 5.56E-09 | 5.56E-09 | 3.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.11E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.90E-08 | 7.50E-06 | 3.55E-07 | 5.10E-05 | 9.00E-06 | 1.96E-03 | 8.89E-08 | 1.77E-08 | 5.56E-09 | 5.56E-09 | 3.34E-06 |
| KIDNEYS | G | 5.75E-05 | 2.07E-08 | 8.74E-07 | 1.09E-06 | 6.77E-07 | 1.02E-07 | 1.51E-03 | 4.10E-06 | 1.55E-07 | 1.55E-07 | 5.64E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.71E-04 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.75E-05 | 2.07E-08 | 8.74E-07 | 1.09E-06 | 6.77E-07 | 1.02E-07 | 2.48E-03 | 4.10E-06 | 1.55E-07 | 1.55E-07 | 5.64E-06 |
| LIVER | G | 1.04E-05 | 1.54E-08 | 6.03E-07 | 1.25E-06 | 1.84E-06 | 1.98E-08 | 4.21E-06 | 3.23E-04 | 5.84E-06 | 5.84E-06 | 2.79E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.67E-04 | 0.0 | 0.0 | 0.0 |
| | T | 1.04E-05 | 1.54E-08 | 6.03E-07 | 1.25E-06 | 1.84E-06 | 1.98E-08 | 4.21E-06 | 4.90E-04 | 5.84E-06 | 5.84E-06 | 2.79E-06 |
| LUNGS | G | 2.76E-06 | 2.22E-09 | 2.28E-06 | 2.01E-08 | 2.12E-08 | 5.56E-09 | 1.58E-07 | 7.50E-06 | 3.49E-04 | 3.49E-04 | 7.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 | 3.01E-04 | 0.0 |
| | T | 2.76E-06 | 2.22E-09 | 2.28E-06 | 2.01E-08 | 2.12E-08 | 5.56E-09 | 1.58E-07 | 7.50E-06 | 6.50E-04 | 6.50E-04 | 7.12E-06 |
| RESP LYM NODE | G | 2.76E-06 | 2.22E-09 | 2.28E-06 | 2.01E-08 | 2.12E-08 | 5.56E-09 | 1.58E-07 | 7.50E-06 | 3.41E-04 | 3.49E-04 | 7.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.41E-08 | 2.01E-02 | 0.0 |
| | T | 2.76E-06 | 2.22E-09 | 2.28E-06 | 2.01E-08 | 2.12E-08 | 5.56E-09 | 1.58E-07 | 7.50E-06 | 3.41E-04 | 2.04E-02 | 7.12E-06 |
| MUSCLE* | G | 9.07E-06 | 4.33E-06 | 3.17E-06 | 3.39E-06 | 2.63E-06 | 3.34E-06 | 5.64E-06 | 2.79E-06 | 7.12E-06 | 7.12E-06 | 1.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08E-05 |
| | T | 9.07E-06 | 4.33E-06 | 3.17E-06 | 3.39E-06 | 2.63E-06 | 3.34E-06 | 5.64E-06 | 2.79E-06 | 7.12E-06 | 7.12E-06 | 2.21E-05 |
| OVARIES | G | 3.30E-08 | 2.85E-06 | 4.11E-08 | 3.44E-05 | 4.13E-05 | 1.22E-04 | 9.15E-08 | 2.61E-08 | 8.14E-09 | 8.14E-09 | 8.98E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.30E-08 | 2.85E-06 | 4.11E-08 | 3.44E-05 | 4.13E-05 | 1.22E-04 | 9.15E-08 | 2.61E-08 | 8.14E-09 | 8.14E-09 | 8.98E-06 |

46-PALLADIUM-103 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 7.53E-06 | 1.61E-08 | 5.60E-05 | 2.63E-07 | 2.80E-07 | 6.93E-08 | 4.62E-06 | 3.10E-06 | 1.03E-06 | 1.03E-06 | 7.90E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.53E-06 | 1.61E-08 | 5.60E-05 | 2.63E-07 | 2.80E-07 | 6.93E-08 | 4.62E-06 | 3.10E-06 | 1.03E-06 | 1.03E-06 | 7.90E-06 |
| SKELETON BONE | G | 4.26E-06 | 1.04E-07 | 6.22E-07 | 1.54E-06 | 1.23E-06 | 4.64E-06 | 1.94E-06 | 1.77E-06 | 3.03E-06 | 3.03E-06 | 1.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.26E-06 | 1.04E-07 | 6.22E-07 | 1.54E-06 | 1.23E-06 | 4.64E-06 | 1.94E-06 | 1.77E-06 | 3.03E-06 | 3.03E-06 | 1.34E-06 |
| R MARROW | G | 6.39E-06 | 3.08E-07 | 7.04E-07 | 6.29E-06 | 5.05E-06 | 1.92E-05 | 5.09E-06 | 1.70E-06 | 3.41E-06 | 3.41E-06 | 6.92E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.39E-06 | 3.08E-07 | 7.04E-07 | 6.29E-06 | 5.05E-06 | 1.92E-05 | 5.09E-06 | 1.70E-06 | 3.41E-06 | 3.41E-06 | 6.92E-06 |
| Y MARROW | G | 4.01E-06 | 1.11E-07 | 8.59E-07 | 2.13E-06 | 1.73E-06 | 6.44E-06 | 2.32E-06 | 2.73E-06 | 3.77E-06 | 3.77E-06 | 6.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.01E-06 | 1.11E-07 | 8.59E-07 | 2.13E-06 | 1.73E-06 | 6.44E-06 | 2.32E-06 | 2.73E-06 | 3.77E-06 | 3.77E-06 | 6.18E-06 |
| T E CL | G | 4.26E-06 | 1.04E-07 | 6.22E-07 | 1.54E-06 | 1.23E-06 | 4.64E-06 | 1.94E-06 | 1.77E-06 | 3.03E-06 | 3.03E-06 | 1.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.26E-06 | 1.04E-07 | 6.22E-07 | 1.54E-06 | 1.23E-06 | 4.64E-06 | 1.94E-06 | 1.77E-06 | 3.03E-06 | 3.03E-06 | 1.34E-06 |
| SKIN | G | 6.83E-07 | 3.77E-07 | 3.55E-07 | 1.39E-07 | 1.42E-07 | 4.17E-07 | 9.62E-07 | 4.43E-07 | 5.77E-07 | 5.77E-07 | 4.80E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.83E-07 | 3.77E-07 | 3.55E-07 | 1.39E-07 | 1.42E-07 | 4.17E-07 | 9.62E-07 | 4.43E-07 | 5.77E-07 | 5.77E-07 | 4.80E-06 |
| SPLEEN | G | 6.98E-06 | 1.14E-08 | 1.04E-05 | 2.58E-07 | 1.84E-07 | 8.22E-08 | 2.89E-05 | 9.69E-08 | 4.00E-06 | 4.00E-06 | 5.26E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.98E-06 | 1.14E-08 | 1.04E-05 | 2.58E-07 | 1.84E-07 | 8.22E-08 | 2.89E-05 | 9.69E-08 | 4.00E-06 | 4.00E-06 | 5.26E-06 |
| TESTES | G | 3.46E-09 | 1.98E-06 | 2.35E-09 | 2.26E-08 | 2.70E-08 | 4.81E-07 | 7.78E-09 | 5.79E-09 | 1.12E-09 | 1.12E-09 | 2.19E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.46E-09 | 1.98E-06 | 2.35E-09 | 2.26E-08 | 2.70E-08 | 4.81E-07 | 7.78E-09 | 5.79E-09 | 1.12E-09 | 1.12E-09 | 2.19E-06 |
| THYMUS | G | 4.37E-08 | 1.47E-09 | 1.51E-08 | 7.20E-09 | 7.94E-09 | 2.85E-09 | 1.86E-08 | 6.59E-08 | 3.39E-06 | 3.39E-06 | 1.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.37E-08 | 1.47E-09 | 1.51E-08 | 7.20E-09 | 7.94E-09 | 2.85E-09 | 1.86E-08 | 6.59E-08 | 3.39E-06 | 3.39E-06 | 1.88E-05 |
| THYROID | G | 1.05E-08 | 4.04E-10 | 7.93E-09 | 1.88E-09 | 2.02E-09 | 8.15E-10 | 4.74E-09 | 1.15E-08 | 1.14E-07 | 1.14E-07 | 8.92E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.05E-08 | 4.04E-10 | 7.93E-09 | 1.88E-09 | 2.02E-09 | 8.15E-10 | 4.74E-09 | 1.15E-08 | 1.14E-07 | 1.14E-07 | 8.92E-06 |
| UTERUS | G | 6.81E-08 | 3.58E-05 | 5.84E-08 | 1.68E-05 | 1.76E-06 | 3.05E-06 | 6.90E-08 | 2.79E-08 | 5.58E-09 | 5.58E-09 | 1.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.81E-08 | 3.58E-05 | 5.84E-08 | 1.68E-05 | 1.76E-06 | 3.05E-06 | 6.90E-08 | 2.79E-08 | 5.58E-09 | 5.58E-09 | 1.34E-05 |
| T BODY | G | 1.07E-05 | 1.07E-05 | 1.08E-05 | 1.08E-05 | 1.08E-05 | 1.08E-05 | 1.05E-05 | 1.07E-05 | 1.07E-05 | 1.07E-05 | 9.38E-06 |
| | B | 4.30E-06 | 4.84E-07 | 1.29E-06 | 3.44E-06 | 2.05E-06 | 2.55E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 |
| | T | 1.50E-05 | 1.12E-05 | 1.20E-05 | 1.43E-05 | 1.29E-05 | 1.34E-05 | 1.48E-05 | 1.50E-05 | 1.50E-05 | 1.50E-05 | 1.37E-05 |

CONTINUED NEXT PAGE

46-PALLADIUM-103 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 3.04E-08 | 5.72E-06 | 3.14E-06 | 3.14E-06 | 5.06E-06 | 1.22E-06 | 1.11E-06 | 8.74E-06 | 3.46E-09 | 1.05E-08 | 6.65E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 3.04E-08 | 5.72E-06 | 3.14E-06 | 3.14E-06 | 5.06E-06 | 1.22E-06 | 1.11E-06 | 8.74E-06 | 3.46E-09 | 1.05E-08 | 1.10E-05 |
| BLAD WALL | G | 4.03E-06 | 1.06E-08 | 6.13E-08 | 6.13E-08 | 1.63E-07 | 6.36E-08 | 4.22E-07 | 8.67E-09 | 2.69E-06 | 4.08E-10 | 1.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 4.03E-06 | 1.06E-08 | 6.13E-08 | 6.13E-08 | 1.63E-07 | 6.36E-08 | 4.22E-07 | 8.67E-09 | 2.69E-06 | 4.08E-10 | 1.78E-05 |
| GI TRACT S WALL | G | 7.29E-08 | 8.48E-05 | 2.86E-07 | 2.86E-07 | 3.26E-07 | 5.16E-07 | 5.12E-07 | 1.24E-05 | 5.11E-09 | 5.32E-09 | 1.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 7.29E-08 | 8.48E-05 | 2.86E-07 | 2.86E-07 | 3.26E-07 | 5.16E-07 | 5.12E-07 | 1.24E-05 | 5.11E-09 | 5.32E-09 | 1.53E-05 |
| SI+CONT | G | 4.62E-05 | 2.19E-07 | 4.74E-07 | 4.74E-07 | 2.20E-06 | 6.85E-07 | 1.61E-07 | 2.16E-07 | 3.00E-08 | 6.10E-10 | 1.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 4.62E-05 | 2.19E-07 | 4.74E-07 | 4.74E-07 | 2.20E-06 | 6.85E-07 | 1.61E-07 | 2.16E-07 | 3.00E-08 | 6.10E-10 | 1.49E-05 |
| ULI WALL | G | 8.07E-05 | 3.00E-07 | 5.55E-07 | 5.55E-07 | 2.07E-06 | 6.22E-07 | 2.62E-07 | 2.26E-07 | 2.16E-08 | 6.12E-10 | 1.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 8.07E-05 | 3.00E-07 | 5.55E-07 | 5.55E-07 | 2.07E-06 | 6.22E-07 | 2.62E-07 | 2.26E-07 | 2.16E-08 | 6.12E-10 | 1.46E-05 |
| LLI WALL | G | 1.09E-04 | 4.66E-08 | 1.50E-06 | 1.50E-06 | 5.46E-06 | 1.21E-06 | 1.55E-07 | 6.40E-08 | 1.04E-06 | 6.75E-10 | 1.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 1.09E-04 | 4.66E-08 | 1.50E-06 | 1.50E-06 | 5.46E-06 | 1.21E-06 | 1.55E-07 | 6.40E-08 | 1.04E-06 | 6.75E-10 | 1.47E-05 |
| KIDNEYS | G | 8.80E-08 | 3.79E-06 | 5.59E-07 | 5.59E-07 | 1.36E-06 | 8.42E-07 | 9.99E-07 | 2.89E-05 | 4.76E-09 | 2.55E-09 | 9.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 8.80E-08 | 3.79E-06 | 5.59E-07 | 5.59E-07 | 1.36E-06 | 8.42E-07 | 9.99E-07 | 2.89E-05 | 4.76E-09 | 2.55E-09 | 1.40E-05 |
| LIVER | G | 4.61E-08 | 3.53E-06 | 4.52E-07 | 4.52E-07 | 5.33E-07 | 8.51E-07 | 4.59E-07 | 9.13E-08 | 2.69E-09 | 8.17E-09 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 4.61E-08 | 3.53E-06 | 4.52E-07 | 4.52E-07 | 5.33E-07 | 8.51E-07 | 4.59E-07 | 9.13E-08 | 2.69E-09 | 8.17E-09 | 1.50E-05 |
| LUNGS | G | 5.48E-09 | 1.37E-06 | 9.34E-07 | 9.34E-07 | 1.11E-06 | 1.17E-06 | 6.77E-07 | 4.18E-06 | 7.61E-10 | 1.40E-07 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 5.48E-09 | 1.37E-06 | 9.34E-07 | 9.34E-07 | 1.11E-06 | 1.17E-06 | 6.77E-07 | 4.18E-06 | 7.61E-10 | 1.40E-07 | 1.51E-05 |
| RESP LYM NODE | G | 5.48E-09 | 1.37E-06 | 9.34E-07 | 9.34E-07 | 1.11E-06 | 1.17E-06 | 6.77E-07 | 4.18E-06 | 7.61E-10 | 1.40E-07 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 5.48E-09 | 1.37E-06 | 9.34E-07 | 9.34E-07 | 1.11E-06 | 1.17E-06 | 6.77E-07 | 4.18E-06 | 7.61E-10 | 1.40E-07 | 1.51E-05 |
| MUSCLE* | G | 8.98E-06 | 7.90E-06 | 1.34E-06 | 1.34E-06 | 1.78E-06 | 1.81E-06 | 4.80E-06 | 5.26E-06 | 2.19E-06 | 8.92E-06 | 9.38E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 8.98E-06 | 7.90E-06 | 1.34E-06 | 1.34E-06 | 1.78E-06 | 1.81E-06 | 4.80E-06 | 5.26E-06 | 2.19E-06 | 8.92E-06 | 1.37E-05 |
| OVARIES | G | 2.45E-02 | 2.38E-08 | 8.65E-07 | 8.65E-07 | 2.82E-06 | 8.37E-07 | 7.15E-08 | 5.36E-08 | 1.08E-46 | 7.98E-10 | 1.07E-05 |
| | B | 2.74E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 5.19E-02 | 2.38E-08 | 8.65E-07 | 8.65E-07 | 2.82E-06 | 8.37E-07 | 7.15E-08 | 5.36E-08 | 1.08E-46 | 7.98E-10 | 1.50E-05 |

46-PALLADIUM-103 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 3.37E-08 | 5.30E-03 | 6.67E-07 | 6.67E-07 | 2.83E-07 | 3.00E-07 | 9.59E-08 | 9.75E-05 | 3.01E-09 | 4.86E-09 | 1.25E-05 |
| | B | 0.0 | 3.01E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 3.37E-08 | 8.31E-03 | 6.67E-07 | 6.67E-07 | 2.83E-07 | 3.00E-07 | 9.59E-08 | 9.75E-05 | 3.01E-09 | 4.86E-09 | 1.68E-05 |
| SKELETON BONE | G | 1.40E-06 | 8.31E-07 | 6.30E-05 | 6.30E-05 | 4.00E-05 | 5.19E-05 | 5.05E-06 | 1.51E-06 | 1.12E-07 | 3.85E-07 | 1.38E-05 |
| | B | 0.0 | 0.0 | 6.02E-05 | 5.91E-05 | 7.03E-07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 1.40E-06 | 8.31E-07 | 1.23E-04 | 1.22E-04 | 4.07E-05 | 5.19E-05 | 5.05E-06 | 1.51E-06 | 1.12E-07 | 3.85E-07 | 1.81E-05 |
| R MARROW | G | 5.84E-06 | 1.56E-06 | 6.13E-05 | 6.13E-05 | 1.66E-04 | 5.37E-05 | 4.58E-06 | 1.57E-06 | 6.78E-08 | 3.99E-07 | 1.49E-05 |
| | B | 0.0 | 0.0 | 2.75E-08 | 3.51E-06 | 1.98E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 5.84E-06 | 1.56E-06 | 6.13E-05 | 6.48E-05 | 3.65E-04 | 5.37E-05 | 4.58E-06 | 1.57E-06 | 6.78E-08 | 3.99E-07 | 1.92E-05 |
| Y MARROW | G | 1.96E-06 | 7.99E-07 | 6.15E-05 | 6.15E-05 | 5.91E-05 | 1.06E-04 | 6.28E-06 | 2.16E-06 | 3.01E-08 | 2.10E-07 | 1.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.01E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 1.96E-06 | 7.99E-07 | 6.15E-05 | 6.15E-05 | 5.91E-05 | 3.07E-04 | 6.28E-06 | 2.16E-06 | 3.01E-08 | 2.10E-07 | 1.86E-05 |
| T E CL | G | 1.40E-06 | 8.31E-07 | 6.22E-05 | 6.22E-05 | 6.27E-05 | 6.19E-05 | 5.05E-06 | 1.51E-06 | 1.12E-07 | 3.85E-07 | 1.39E-05 |
| | B | 0.0 | 0.0 | 5.84E-06 | 1.22E-05 | 9.22E-05 | 5.02E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 1.40E-06 | 8.31E-07 | 6.81E-05 | 7.45E-05 | 1.55E-04 | 1.12E-04 | 5.05E-06 | 1.51E-06 | 1.12E-07 | 3.85E-07 | 1.82E-05 |
| SKIN | G | 6.53E-08 | 6.37E-08 | 1.44E-06 | 1.44E-06 | 1.15E-06 | 1.96E-06 | 4.33E-05 | 3.22E-07 | 1.14E-05 | 2.57E-06 | 5.75E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 6.53E-08 | 6.37E-08 | 1.44E-06 | 1.44E-06 | 1.15E-06 | 1.96E-06 | 1.59E-04 | 3.22E-07 | 1.14E-05 | 2.57E-06 | 1.00E-05 |
| SPLEEN | G | 4.08E-08 | 1.01E-04 | 1.04E-06 | 1.04E-06 | 3.38E-07 | 4.49E-07 | 3.43E-07 | 2.65E-03 | 4.93E-09 | 7.10E-09 | 1.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.67E-03 | 0.0 | 0.0 | 4.30E-06 |
| | T | 4.08E-08 | 1.01E-04 | 1.04E-06 | 1.04E-06 | 3.38E-07 | 4.49E-07 | 3.43E-07 | 4.32E-03 | 4.93E-09 | 7.10E-09 | 1.45E-05 |
| TESTES | G | 1.08E-46 | 3.87E-09 | 8.88E-08 | 8.88E-08 | 4.11E-08 | 1.35E-07 | 6.48E-06 | 4.79E-09 | 9.14E-03 | 1.36E-10 | 7.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.60E-03 | 0.0 | 4.30E-06 |
| | T | 1.08E-46 | 3.87E-09 | 8.88E-08 | 8.88E-08 | 4.11E-08 | 1.35E-07 | 6.48E-06 | 4.79E-09 | 1.77E-02 | 1.36E-10 | 1.15E-05 |
| THYMUS | G | 2.95E-09 | 4.03E-08 | 4.69E-07 | 4.69E-07 | 5.13E-07 | 6.12E-07 | 5.00E-07 | 2.55E-08 | 4.77E-10 | 9.66E-07 | 1.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 2.95E-09 | 4.03E-08 | 4.69E-07 | 4.69E-07 | 5.13E-07 | 6.12E-07 | 5.00E-07 | 2.55E-08 | 4.77E-10 | 9.66E-07 | 1.92E-05 |
| THYROID | G | 7.99E-10 | 9.91E-09 | 3.36E-07 | 3.36E-07 | 2.40E-07 | 2.95E-07 | 2.04E-06 | 7.66E-09 | 1.36E-10 | 1.35E-02 | 1.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51E-02 | 4.30E-06 |
| | T | 7.99E-10 | 9.91E-09 | 3.36E-07 | 3.36E-07 | 2.40E-07 | 2.95E-07 | 2.04E-06 | 7.66E-09 | 1.36E-10 | 2.85E-02 | 1.57E-05 |
| UTERUS | G | 4.36E-05 | 4.13E-08 | 1.27E-07 | 1.27E-07 | 4.02E-07 | 1.34E-07 | 1.31E-07 | 2.68E-08 | 1.08E-46 | 7.54E-10 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30E-06 |
| | T | 4.36E-05 | 4.13E-08 | 1.27E-07 | 1.27E-07 | 4.02E-07 | 1.34E-07 | 1.31E-07 | 2.68E-08 | 1.08E-46 | 7.54E-10 | 1.51E-05 |
| T BODY | G | 1.09E-05 | 1.09E-05 | 1.05E-05 | 1.05E-05 | 1.06E-05 | 1.04E-05 | 5.89E-06 | 1.07E-05 | 9.49E-06 | 1.01E-05 | 9.95E-06 |
| | B | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 | 4.30E-06 |
| | T | 1.52E-05 | 1.52E-05 | 1.48E-05 | 1.48E-05 | 1.49E-05 | 1.47E-05 | 1.02E-05 | 1.50E-05 | 1.38E-05 | 1.44E-05 | 1.42E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-GRUNDITZ, Y. ET AL., NUCL. PHYS. A133, 369 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 46-PALLADIUM-109 (TR=1.346E 01 HOURS)

DATE OF TABLE 04-02-75

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 6.03E-05 | 2.61E-08 | 2.47E-07 | 1.45E-07 | 1.19E-07 | 5.54E-08 | 1.41E-06 | 5.64E-07 | 2.77E-07 | 2.77E-07 | 1.79E-07 |
| | B | 1.32E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.32E 00 | 2.61E-08 | 2.47E-07 | 1.45E-07 | 1.19E-07 | 5.54E-08 | 1.41E-06 | 5.64E-07 | 2.77E-07 | 2.77E-07 | 1.79E-07 |
| BLAD WALL | G | 1.67E-08 | 8.94E-06 | 4.86E-08 | 3.35E-07 | 2.27E-07 | 6.45E-07 | 4.46E-08 | 3.10E-08 | 8.47E-09 | 8.47E-09 | 2.05E-07 |
| | B | 0.0 | 4.62E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.67E-08 | 4.62E-02 | 4.86E-08 | 3.35E-07 | 2.27E-07 | 6.45E-07 | 4.46E-08 | 3.10E-08 | 8.47E-09 | 8.47E-09 | 2.05E-07 |
| GI TRACT S WALL | G | 3.35E-07 | 4.23E-08 | 6.32E-06 | 3.97E-07 | 4.19E-07 | 1.98E-07 | 3.80E-07 | 2.18E-07 | 2.14E-07 | 2.14E-07 | 1.62E-07 |
| | B | 0.0 | 0.0 | 3.70E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.35E-07 | 4.23E-08 | 3.70E-02 | 3.97E-07 | 4.19E-07 | 1.98E-07 | 3.80E-07 | 2.18E-07 | 2.14E-07 | 2.14E-07 | 1.62E-07 |
| SI+CONT | G | 1.06E-07 | 3.04E-07 | 2.96E-07 | 3.76E-06 | 1.91E-06 | 1.05E-06 | 3.15E-07 | 1.82E-07 | 3.13E-08 | 3.13E-08 | 1.78E-07 |
| | B | 0.0 | 0.0 | 0.0 | 2.31E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-07 | 3.04E-07 | 2.96E-07 | 2.31E-02 | 1.91E-06 | 1.05E-06 | 3.15E-07 | 1.82E-07 | 3.13E-08 | 3.13E-08 | 1.78E-07 |
| ULI WALL | G | 1.19E-07 | 2.55E-07 | 3.74E-07 | 2.78E-06 | 5.27E-06 | 4.87E-07 | 3.25E-07 | 2.85E-07 | 4.16E-08 | 4.16E-08 | 1.88E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.20E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.19E-07 | 2.55E-07 | 3.74E-07 | 2.78E-06 | 4.20E-02 | 4.87E-07 | 3.25E-07 | 2.85E-07 | 4.16E-08 | 4.16E-08 | 1.88E-07 |
| LLI WALL | G | 3.48E-08 | 7.95E-07 | 1.48E-07 | 8.10E-07 | 3.56E-07 | 6.34E-06 | 9.85E-08 | 3.36E-08 | 9.98E-09 | 9.98E-09 | 1.95E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.85E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.48E-08 | 7.95E-07 | 1.48E-07 | 8.10E-07 | 3.56E-07 | 6.85E-02 | 9.85E-08 | 3.36E-08 | 9.98E-09 | 9.98E-09 | 1.95E-07 |
| KIDNEYS | G | 1.34E-06 | 4.08E-08 | 3.78E-07 | 3.57E-07 | 3.14E-07 | 9.92E-08 | 9.12E-06 | 4.29E-07 | 1.14E-07 | 1.14E-07 | 1.66E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.96E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-06 | 4.08E-08 | 3.78E-07 | 3.57E-07 | 3.14E-07 | 9.92E-08 | 5.96E-02 | 4.29E-07 | 1.14E-07 | 1.14E-07 | 1.66E-07 |
| LIVER | G | 5.58E-07 | 3.14E-08 | 2.28E-07 | 2.08E-07 | 2.84E-07 | 3.92E-08 | 4.48E-07 | 3.11E-06 | 2.77E-07 | 2.77E-07 | 1.29E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.03E-02 | 0.0 | 0.0 | 0.0 |
| | T | 5.58E-07 | 3.14E-08 | 2.28E-07 | 2.08E-07 | 2.84E-07 | 3.92E-08 | 4.48E-07 | 1.03E-02 | 2.77E-07 | 2.77E-07 | 1.29E-07 |
| LUNGS | G | 2.71E-07 | 6.07E-09 | 2.07E-07 | 3.69E-08 | 3.95E-08 | 1.30E-08 | 1.07E-07 | 2.81E-07 | 1.86E-06 | 1.86E-06 | 1.56E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-02 | 1.85E-02 | 0.0 |
| | T | 2.71E-07 | 6.07E-09 | 2.07E-07 | 3.69E-08 | 3.95E-08 | 1.30E-08 | 1.07E-07 | 2.81E-07 | 1.85E-02 | 1.85E-02 | 1.56E-07 |
| RESP LYM NODE | G | 2.71E-07 | 6.07E-09 | 2.07E-07 | 3.69E-08 | 3.95E-08 | 1.30E-08 | 1.07E-07 | 2.81E-07 | 1.86E-06 | 1.86E-06 | 1.56E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-02 | 1.23E 00 | 0.0 |
| | T | 2.71E-07 | 6.07E-09 | 2.07E-07 | 3.69E-08 | 3.95E-08 | 1.30E-08 | 1.07E-07 | 2.81E-07 | 1.85E-02 | 1.23E 00 | 1.56E-07 |
| MUSCLE* | G | 1.79E-07 | 2.05E-07 | 1.62E-07 | 1.78E-07 | 1.70E-07 | 1.95E-07 | 1.66E-07 | 1.29E-07 | 1.56E-07 | 1.56E-07 | 1.79E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.60E-04 |
| | T | 1.79E-07 | 2.05E-07 | 1.62E-07 | 1.78E-07 | 1.70E-07 | 1.95E-07 | 1.66E-07 | 1.29E-07 | 1.56E-07 | 1.56E-07 | 6.60E-04 |
| OVARIES | G | 6.24E-08 | 6.86E-07 | 8.43E-08 | 1.10E-06 | 1.30E-06 | 2.00E-06 | 1.46E-07 | 4.32E-08 | 1.73E-08 | 1.73E-08 | 2.31E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.24E-08 | 6.86E-07 | 8.43E-08 | 1.10E-06 | 1.30E-06 | 2.00E-06 | 1.46E-07 | 4.32E-08 | 1.73E-08 | 1.73E-08 | 2.31E-07 |

46-PALLADIUM-109 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 9.72E-07 | 3.14E-08 | 2.01E-06 | 2.33E-07 | 2.23E-07 | 8.34E-08 | 7.54E-07 | 5.13E-07 | 2.96E-07 | 2.96E-07 | 2.09E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.72E-07 | 3.14E-08 | 2.01E-06 | 2.33E-07 | 2.23E-07 | 8.34E-08 | 7.54E-07 | 5.13E-07 | 2.96E-07 | 2.96E-07 | 2.09E-07 |
| SKELETON BONE | G | 1.65E-07 | 6.92E-08 | 7.15E-08 | 9.51E-08 | 8.63E-08 | 1.28E-07 | 1.17E-07 | 8.83E-08 | 1.21E-07 | 1.21E-07 | 1.26E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.65E-07 | 6.92E-08 | 7.15E-08 | 9.51E-08 | 8.63E-08 | 1.28E-07 | 1.17E-07 | 8.83E-08 | 1.21E-07 | 1.21E-07 | 1.26E-07 |
| R MARROW | G | 2.95E-07 | 1.50E-07 | 1.23E-07 | 3.05E-07 | 2.61E-07 | 3.90E-07 | 2.98E-07 | 1.27E-07 | 1.52E-07 | 1.52E-07 | 1.66E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.95E-07 | 1.50E-07 | 1.23E-07 | 3.05E-07 | 2.61E-07 | 3.90E-07 | 2.98E-07 | 1.27E-07 | 1.52E-07 | 1.52E-07 | 1.66E-07 |
| Y MARROW | G | 1.59E-07 | 6.37E-08 | 9.93E-08 | 1.32E-07 | 1.23E-07 | 1.58E-07 | 1.45E-07 | 1.30E-07 | 1.27E-07 | 1.27E-07 | 1.35E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.59E-07 | 6.37E-08 | 9.93E-08 | 1.32E-07 | 1.23E-07 | 1.58E-07 | 1.45E-07 | 1.30E-07 | 1.27E-07 | 1.27E-07 | 1.35E-07 |
| T E CL | G | 1.65E-07 | 6.92E-08 | 7.15E-08 | 9.51E-08 | 8.63E-08 | 1.28E-07 | 1.17E-07 | 8.83E-08 | 1.21E-07 | 1.21E-07 | 1.26E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.65E-07 | 6.92E-08 | 7.15E-08 | 9.51E-08 | 8.63E-08 | 1.28E-07 | 1.17E-07 | 8.83E-08 | 1.21E-07 | 1.21E-07 | 1.26E-07 |
| SKIN | G | 7.77E-08 | 7.43E-08 | 6.63E-08 | 6.05E-08 | 6.17E-08 | 6.69E-08 | 7.51E-08 | 6.83E-08 | 7.65E-08 | 7.65E-08 | 1.06E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.77E-08 | 7.43E-08 | 6.63E-08 | 6.05E-08 | 6.17E-08 | 6.69E-08 | 7.51E-08 | 6.83E-08 | 7.65E-08 | 7.65E-08 | 1.06E-07 |
| SPLEEN | G | 7.31E-07 | 2.51E-08 | 1.10E-06 | 1.77E-07 | 1.47E-07 | 1.07E-07 | 9.77E-07 | 1.16E-07 | 2.51E-07 | 2.51E-07 | 1.71E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.31E-07 | 2.51E-08 | 1.10E-06 | 1.77E-07 | 1.47E-07 | 1.07E-07 | 9.77E-07 | 1.16E-07 | 2.51E-07 | 2.51E-07 | 1.71E-07 |
| TESTES | G | 8.12E-09 | 5.62E-07 | 7.65E-09 | 4.57E-08 | 5.64E-08 | 2.19E-07 | 1.70E-08 | 1.65E-08 | 2.89E-09 | 2.89E-09 | 1.42E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.12E-09 | 5.62E-07 | 7.65E-09 | 4.57E-08 | 5.64E-08 | 2.19E-07 | 1.70E-08 | 1.65E-08 | 2.89E-09 | 2.89E-09 | 1.42E-07 |
| THYMUS | G | 8.77E-08 | 3.74E-09 | 4.43E-08 | 1.58E-08 | 1.73E-08 | 6.71E-09 | 3.31E-08 | 1.23E-07 | 4.41E-07 | 4.41E-07 | 2.16E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.77E-08 | 3.74E-09 | 4.43E-08 | 1.58E-08 | 1.73E-08 | 6.71E-09 | 3.31E-08 | 1.23E-07 | 4.41E-07 | 4.41E-07 | 2.16E-07 |
| THYROID | G | 2.24E-08 | 1.18E-09 | 1.73E-08 | 4.65E-09 | 4.96E-09 | 2.16E-09 | 1.08E-08 | 2.22E-08 | 1.35E-07 | 1.35E-07 | 1.62E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.24E-08 | 1.18E-09 | 1.73E-08 | 4.65E-09 | 4.96E-09 | 2.16E-09 | 1.08E-08 | 2.22E-08 | 1.35E-07 | 1.35E-07 | 1.62E-07 |
| UTERUS | G | 8.32E-08 | 1.73E-06 | 1.02E-07 | 1.01E-06 | 5.21E-07 | 6.63E-07 | 9.91E-08 | 4.74E-08 | 1.16E-08 | 1.16E-08 | 2.55E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.32E-08 | 1.73E-06 | 1.02E-07 | 1.01E-06 | 5.21E-07 | 6.63E-07 | 9.91E-08 | 4.74E-08 | 1.16E-08 | 1.16E-08 | 2.55E-07 |
| T BODY | G | 1.98E-07 | 2.19E-07 | 2.09E-07 | 2.30E-07 | 2.24E-07 | 2.23E-07 | 1.99E-07 | 2.00E-07 | 1.72E-07 | 1.72E-07 | 1.69E-07 |
| | B | 2.64E-04 | 2.97E-05 | 7.92E-05 | 2.11E-04 | 1.26E-04 | 1.56E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 |
| | T | 2.64E-04 | 2.99E-05 | 7.94E-05 | 2.11E-04 | 1.26E-04 | 1.57E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 |

CONTINUED NEXT PAGE

46-PALLADIUM-109 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 6.32E-08 | 9.15E-07 | 1.92E-07 | 1.92E-07 | 2.54E-07 | 1.14E-07 | 8.41E-08 | 7.35E-07 | 8.12E-09 | 2.24E-08 | 2.41E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 6.32E-08 | 9.15E-07 | 1.92E-07 | 1.92E-07 | 2.54E-07 | 1.14E-07 | 8.41E-08 | 7.35E-07 | 8.12E-09 | 2.24E-08 | 2.64E-04 |
| BLAD WALL | G | 7.76E-07 | 1.94E-08 | 6.46E-08 | 6.46E-08 | 9.19E-08 | 3.32E-08 | 7.48E-08 | 2.26E-08 | 5.81E-07 | 1.19E-09 | 2.21E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 7.76E-07 | 1.94E-08 | 6.46E-08 | 6.46E-08 | 9.19E-08 | 3.32E-08 | 7.48E-08 | 2.26E-08 | 5.81E-07 | 1.19E-09 | 2.64E-04 |
| GI TRACT S WALL | G | 9.19E-08 | 2.02E-06 | 6.52E-08 | 6.52E-08 | 1.21E-07 | 8.54E-08 | 7.33E-08 | 1.10E-06 | 1.10E-08 | 1.33E-08 | 2.09E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 9.19E-08 | 2.02E-06 | 6.52E-08 | 6.52E-08 | 1.21E-07 | 8.54E-08 | 7.33E-08 | 1.10E-06 | 1.10E-08 | 1.33E-08 | 2.64E-04 |
| SI+CONT | G | 1.36E-06 | 2.03E-07 | 9.22E-08 | 9.22E-08 | 3.02E-07 | 1.19E-07 | 6.31E-08 | 1.58E-07 | 5.86E-08 | 1.94E-09 | 2.31E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.36E-06 | 2.03E-07 | 9.22E-08 | 9.22E-08 | 3.02E-07 | 1.19E-07 | 6.31E-08 | 1.58E-07 | 5.86E-08 | 1.94E-09 | 2.64E-04 |
| ULI WALL | G | 1.30E-06 | 2.47E-07 | 8.32E-08 | 8.32E-08 | 2.31E-07 | 9.96E-08 | 6.69E-08 | 1.56E-07 | 4.00E-08 | 2.19E-09 | 2.24E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.30E-06 | 2.47E-07 | 8.32E-08 | 8.32E-08 | 2.31E-07 | 9.96E-08 | 6.69E-08 | 1.56E-07 | 4.00E-08 | 2.19E-09 | 2.64E-04 |
| LLI WALL | G | 1.67E-06 | 6.21E-08 | 1.15E-07 | 1.15E-07 | 3.47E-07 | 9.58E-08 | 6.88E-08 | 7.61E-08 | 3.06E-07 | 1.82E-09 | 2.26E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.67E-06 | 6.21E-08 | 1.15E-07 | 1.15E-07 | 3.47E-07 | 9.58E-08 | 6.88E-08 | 7.61E-08 | 3.06E-07 | 1.82E-09 | 2.64E-04 |
| KIDNEYS | G | 1.25E-07 | 7.06E-07 | 1.12E-07 | 1.12E-07 | 2.67E-07 | 1.35E-07 | 8.53E-08 | 9.84E-07 | 1.21E-08 | 7.47E-09 | 2.07E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.25E-07 | 7.06E-07 | 1.12E-07 | 1.12E-07 | 2.67E-07 | 1.35E-07 | 8.53E-08 | 9.84E-07 | 1.21E-08 | 7.47E-09 | 2.64E-04 |
| LIVER | G | 7.01E-08 | 4.71E-07 | 8.06E-08 | 8.06E-08 | 1.15E-07 | 1.23E-07 | 7.55E-08 | 1.21E-07 | 7.23E-09 | 1.83E-08 | 2.05E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 7.01E-08 | 4.71E-07 | 8.06E-08 | 8.06E-08 | 1.15E-07 | 1.23E-07 | 7.55E-08 | 1.21E-07 | 7.23E-09 | 1.83E-08 | 2.64E-04 |
| LUNGS | G | 1.34E-08 | 2.72E-07 | 1.13E-07 | 1.13E-07 | 1.38E-07 | 1.15E-07 | 7.83E-08 | 2.52E-07 | 2.03E-09 | 1.22E-07 | 1.78E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.34E-08 | 2.72E-07 | 1.13E-07 | 1.13E-07 | 1.38E-07 | 1.15E-07 | 7.83E-08 | 2.52E-07 | 2.03E-09 | 1.22E-07 | 2.64E-04 |
| RESP LYM NODE | G | 1.34E-08 | 2.72E-07 | 1.13E-07 | 1.13E-07 | 1.38E-07 | 1.15E-07 | 7.83E-08 | 2.52E-07 | 2.03E-09 | 1.22E-07 | 1.78E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.34E-08 | 2.72E-07 | 1.13E-07 | 1.13E-07 | 1.38E-07 | 1.15E-07 | 7.83E-08 | 2.52E-07 | 2.03E-09 | 1.22E-07 | 2.64E-04 |
| MUSCLE* | G | 2.31E-07 | 2.09E-07 | 1.26E-07 | 1.26E-07 | 1.49E-07 | 1.17E-07 | 1.06E-07 | 1.71E-07 | 1.42E-07 | 1.62E-07 | 1.69E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 2.31E-07 | 2.09E-07 | 1.26E-07 | 1.26E-07 | 1.49E-07 | 1.17E-07 | 1.06E-07 | 1.71E-07 | 1.42E-07 | 1.62E-07 | 2.64E-04 |
| OVARIES | G | 1.00E-04 | 6.05E-08 | 1.13E-07 | 1.13E-07 | 3.58E-07 | 1.10E-07 | 4.72E-08 | 9.64E-08 | 9.32E-50 | 2.17E-09 | 1.91E-07 |
| | B | 1.68E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.68E 00 | 6.05E-08 | 1.13E-07 | 1.13E-07 | 3.58E-07 | 1.10E-07 | 4.72E-08 | 9.64E-08 | 9.32E-50 | 2.17E-09 | 2.64E-04 |

46-PALLADIUM-109 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 7.28E-08 | 2.70E-05 | 1.09E-07 | 1.09E-07 | 1.77E-07 | 1.41E-07 | 6.38E-08 | 2.24E-06 | 6.94E-09 | 8.14E-09 | 2.10E-07 |
| | B | 0.0 | 1.85E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 7.28E-08 | 1.85E-01 | 1.09E-07 | 1.09E-07 | 1.77E-07 | 1.41E-07 | 6.38E-08 | 2.24E-06 | 6.94E-09 | 8.14E-09 | 2.64E-04 |
| SKELETON BONE | G | 1.12E-07 | 1.09E-07 | 4.47E-07 | 4.47E-07 | 2.97E-07 | 3.34E-07 | 1.02E-07 | 9.24E-08 | 7.74E-08 | 8.79E-08 | 1.84E-07 |
| | B | 0.0 | 0.0 | 3.70E-03 | 2.29E-03 | 9.38E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.12E-07 | 1.09E-07 | 3.70E-03 | 2.29E-03 | 9.39E-04 | 3.34E-07 | 1.02E-07 | 9.24E-08 | 7.74E-08 | 8.79E-08 | 2.64E-04 |
| R MARROW | G | 3.77E-07 | 2.06E-07 | 4.03E-07 | 4.03E-07 | 9.77E-07 | 3.46E-07 | 9.51E-08 | 1.36E-07 | 6.16E-08 | 9.63E-08 | 2.04E-07 |
| | B | 0.0 | 0.0 | 1.19E-04 | 4.69E-03 | 8.88E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 3.77E-07 | 2.06E-07 | 1.20E-04 | 4.69E-03 | 8.88E-03 | 3.46E-07 | 9.51E-08 | 1.36E-07 | 6.16E-08 | 9.63E-08 | 2.64E-04 |
| Y MARROW | G | 1.50E-07 | 1.28E-07 | 3.91E-07 | 3.91E-07 | 3.73E-07 | 5.81E-07 | 1.09E-07 | 1.38E-07 | 3.27E-08 | 4.67E-08 | 1.73E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.50E-07 | 1.28E-07 | 3.91E-07 | 3.91E-07 | 3.73E-07 | 1.23E-02 | 1.09E-07 | 1.38E-07 | 3.27E-08 | 4.67E-08 | 2.64E-04 |
| T E CL | G | 1.12E-07 | 1.09E-07 | 4.47E-07 | 4.47E-07 | 4.06E-07 | 3.73E-07 | 1.02E-07 | 9.24E-08 | 7.74E-08 | 8.79E-08 | 1.84E-07 |
| | B | 0.0 | 0.0 | 2.38E-03 | 4.07E-03 | 3.45E-03 | 3.08E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 1.12E-07 | 1.09E-07 | 2.38E-03 | 4.07E-03 | 3.45E-03 | 3.08E-03 | 1.02E-07 | 9.24E-08 | 7.74E-08 | 8.79E-08 | 2.64E-04 |
| SKIN | G | 5.98E-08 | 5.81E-08 | 9.73E-08 | 9.73E-08 | 8.48E-08 | 1.09E-07 | 2.54E-07 | 7.05E-08 | 1.86E-07 | 1.01E-07 | 1.06E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.11E-03 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 5.98E-08 | 5.81E-08 | 9.73E-08 | 9.73E-08 | 8.48E-08 | 1.09E-07 | 7.11E-03 | 7.05E-08 | 1.86E-07 | 1.01E-07 | 2.64E-04 |
| SPLEEN | G | 7.40E-08 | 2.22E-06 | 9.44E-08 | 9.44E-08 | 1.02E-07 | 1.17E-07 | 7.80E-08 | 1.63E-05 | 1.10E-08 | 1.68E-08 | 2.09E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.03E-01 | 0.0 | 0.0 | 2.64E-04 |
| | T | 7.40E-08 | 2.22E-06 | 9.44E-08 | 9.44E-08 | 1.02E-07 | 1.17E-07 | 7.80E-08 | 1.03E-01 | 1.10E-08 | 1.68E-08 | 2.64E-04 |
| TESTES | G | 9.32E-50 | 9.18E-09 | 6.90E-08 | 6.90E-08 | 4.69E-08 | 1.11E-07 | 1.07E-07 | 1.09E-08 | 4.60E-05 | 4.51E-10 | 2.00E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.28E-01 | 0.0 | 2.64E-04 |
| | T | 9.32E-50 | 9.18E-09 | 6.90E-08 | 6.90E-08 | 4.69E-08 | 1.11E-07 | 1.07E-07 | 1.09E-08 | 5.28E-01 | 4.51E-10 | 2.64E-04 |
| THYMUS | G | 7.03E-09 | 6.61E-08 | 8.41E-08 | 8.41E-08 | 6.36E-08 | 5.12E-08 | 9.19E-08 | 5.91E-08 | 1.36E-09 | 4.82E-07 | 1.91E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 7.03E-09 | 6.61E-08 | 8.41E-08 | 8.41E-08 | 6.36E-08 | 5.12E-08 | 9.19E-08 | 5.91E-08 | 1.36E-09 | 4.82E-07 | 2.64E-04 |
| THYROID | G | 2.17E-09 | 1.61E-08 | 1.06E-07 | 1.06E-07 | 1.01E-07 | 6.78E-08 | 9.28E-08 | 1.68E-08 | 4.51E-10 | 6.24E-05 | 1.71E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.24E-01 | 2.64E-04 |
| | T | 2.17E-09 | 1.61E-08 | 1.06E-07 | 1.06E-07 | 1.01E-07 | 6.78E-08 | 9.28E-08 | 1.68E-08 | 4.51E-10 | 9.24E-01 | 2.64E-04 |
| UTERUS | G | 2.10E-06 | 7.08E-08 | 7.68E-08 | 7.68E-08 | 2.15E-07 | 7.58E-08 | 6.73E-08 | 5.62E-08 | 9.32E-50 | 2.06E-09 | 2.32E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-04 |
| | T | 2.10E-06 | 7.08E-08 | 7.68E-08 | 7.68E-08 | 2.15E-07 | 7.58E-08 | 6.73E-08 | 5.62E-08 | 9.32E-50 | 2.06E-09 | 2.64E-04 |
| T BODY | G | 2.34E-07 | 2.29E-07 | 1.71E-07 | 1.71E-07 | 1.89E-07 | 1.53E-07 | 1.07E-07 | 1.99E-07 | 1.68E-07 | 1.55E-07 | 1.71E-07 |
| | B | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 |
| | T | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 | 2.64E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-SCHICK, W. O. JR. AND TALBERT, W. L. JR., NUCL. PHYS. A128, 353 (1969)
DATE DECAY DATA REVIEWED-FEBRUARY 1975

S, AVERAGE DOSE EQUIVALENT (REM) PER 1 UCI-DAY DATE OF TABLE 04-10-75
OF 46-PALLADIUM-109 (TR=1.346E 01 HOURS) AND 0.9995 UCI-DAY OF 47-SILVER-109M (TR=4.000E 01 SEC)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 7.53E-03 | 9.63E-08 | 2.63E-06 | 6.50E-07 | 8.46E-07 | 2.35E-07 | 4.44E-05 | 1.05E-05 | 3.67E-06 | 3.67E-06 | 5.99E-06 |
| | B | 1.60E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.61E 00 | 9.63E-08 | 2.63E-06 | 6.50E-07 | 8.46E-07 | 2.35E-07 | 4.44E-05 | 1.05E-05 | 3.67E-06 | 3.67E-06 | 5.99E-06 |
| BLAD WALL | G | 9.40E-08 | 6.01E-04 | 2.24E-07 | 2.75E-06 | 2.13E-06 | 1.03E-05 | 1.94E-07 | 1.20E-07 | 2.41E-08 | 2.41E-08 | 4.14E-06 |
| | B | 0.0 | 5.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.40E-08 | 5.66E-02 | 2.24E-07 | 2.75E-06 | 2.13E-06 | 1.03E-05 | 1.94E-07 | 1.20E-07 | 2.41E-08 | 2.41E-08 | 4.14E-06 |
| GI TRACT S WALL | G | 3.03E-06 | 2.00E-07 | 3.88E-04 | 6.97E-06 | 9.02E-06 | 2.22E-06 | 3.94E-06 | 2.17E-06 | 3.43E-06 | 3.43E-06 | 3.06E-06 |
| | B | 0.0 | 0.0 | 4.48E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.03E-06 | 2.00E-07 | 4.52E-02 | 6.97E-06 | 9.02E-06 | 2.22E-06 | 3.94E-06 | 2.17E-06 | 3.43E-06 | 3.43E-06 | 3.06E-06 |
| SI+CONT | G | 6.45E-07 | 2.98E-06 | 3.28E-06 | 2.37E-04 | 6.64E-05 | 3.49E-05 | 3.28E-06 | 1.81E-06 | 1.43E-07 | 1.43E-07 | 3.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 2.80E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.45E-07 | 2.98E-06 | 3.28E-06 | 2.82E-02 | 6.64E-05 | 3.49E-05 | 3.28E-06 | 1.81E-06 | 1.43E-07 | 1.43E-07 | 3.32E-06 |
| ULI WALL | G | 7.59E-07 | 2.03E-06 | 6.41E-06 | 1.70E-04 | 3.56E-04 | 1.63E-05 | 3.04E-06 | 3.51E-06 | 1.78E-07 | 1.78E-07 | 4.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 5.09E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.59E-07 | 2.03E-06 | 6.41E-06 | 1.70E-04 | 5.12E-02 | 1.63E-05 | 3.04E-06 | 3.51E-06 | 1.78E-07 | 1.78E-07 | 4.06E-06 |
| LLI WALL | G | 1.62E-07 | 1.25E-05 | 1.20E-06 | 3.37E-05 | 8.06E-06 | 4.68E-04 | 5.69E-07 | 1.63E-07 | 3.71E-08 | 3.71E-08 | 3.46E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.62E-07 | 1.25E-05 | 1.20E-06 | 3.37E-05 | 8.06E-06 | 8.34E-02 | 5.69E-07 | 1.63E-07 | 3.71E-08 | 3.71E-08 | 3.46E-06 |
| KIDNEYS | G | 4.20E-05 | 1.88E-07 | 3.82E-06 | 3.56E-06 | 3.02E-06 | 7.07E-07 | 8.22E-04 | 6.32E-06 | 8.05E-07 | 8.05E-07 | 4.28E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.20E-05 | 1.88E-07 | 3.82E-06 | 3.56E-06 | 3.02E-06 | 7.07E-07 | 7.31E-02 | 6.32E-06 | 8.05E-07 | 8.05E-07 | 4.28E-06 |
| LIVER | G | 1.08E-05 | 1.16E-07 | 2.16E-06 | 2.34E-06 | 3.44E-06 | 1.77E-07 | 6.29E-06 | 1.90E-04 | 5.72E-06 | 5.72E-06 | 2.53E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.08E-05 | 1.16E-07 | 2.16E-06 | 2.34E-06 | 3.44E-06 | 1.77E-07 | 6.29E-06 | 1.26E-02 | 5.72E-06 | 5.72E-06 | 2.53E-06 |
| LUNGS | G | 4.02E-06 | 1.80E-08 | 3.13E-06 | 1.65E-07 | 2.00E-07 | 5.50E-08 | 8.23E-07 | 6.77E-06 | 1.90E-04 | 1.90E-04 | 5.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.24E-02 | 2.24E-02 | 0.0 |
| | T | 4.02E-06 | 1.80E-08 | 3.13E-06 | 1.65E-07 | 2.00E-07 | 5.50E-08 | 8.23E-07 | 6.77E-06 | 2.26E-02 | 2.26E-02 | 5.01E-06 |
| RESP LYM NODE | G | 4.02E-06 | 1.80E-08 | 3.13E-06 | 1.65E-07 | 2.00E-07 | 5.50E-08 | 8.23E-07 | 6.77E-06 | 1.81E-04 | 1.90E-04 | 5.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.22E-02 | 1.49E 00 | 0.0 |
| | T | 4.02E-06 | 1.80E-08 | 3.13E-06 | 1.65E-07 | 2.00E-07 | 5.50E-08 | 8.23E-07 | 6.77E-06 | 2.24E-02 | 1.49E 00 | 5.01E-06 |
| MUSCLE* | G | 5.99E-06 | 4.14E-06 | 3.16E-06 | 3.32E-06 | 2.92E-06 | 3.46E-06 | 4.28E-06 | 2.53E-06 | 5.01E-06 | 5.01E-06 | 7.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-04 |
| | T | 5.99E-06 | 4.14E-06 | 3.16E-06 | 3.32E-06 | 2.92E-06 | 3.46E-06 | 4.28E-06 | 2.53E-06 | 5.01E-06 | 5.01E-06 | 8.07E-04 |
| OVARIES | G | 4.12E-07 | 9.27E-06 | 4.86E-07 | 2.93E-05 | 3.35E-05 | 8.22E-05 | 8.80E-07 | 3.32E-07 | 6.59E-08 | 6.59E-08 | 6.53E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.12E-07 | 9.27E-06 | 4.86E-07 | 2.93E-05 | 3.35E-05 | 8.22E-05 | 8.80E-07 | 3.32E-07 | 6.59E-08 | 6.59E-08 | 6.53E-06 |

46-PALLADIUM-109 AND 47-SILVER-109M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.41E-05 | 1.37E-07 | 5.18E-05 | 1.88E-06 | 2.02E-06 | 6.07E-07 | 9.42E-06 | 6.38E-06 | 3.32E-06 | 3.32E-06 | 5.92E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.41E-05 | 1.37E-07 | 5.18E-05 | 1.88E-06 | 2.02E-06 | 6.07E-07 | 9.42E-06 | 6.38E-06 | 3.32E-06 | 3.32E-06 | 5.92E-06 |
| SKELETON BONE | G | 5.01E-06 | 8.98E-07 | 1.33E-06 | 2.26E-06 | 1.98E-06 | 4.71E-06 | 2.83E-06 | 2.29E-06 | 3.64E-06 | 3.64E-06 | 1.58E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.01E-06 | 8.98E-07 | 1.33E-06 | 2.26E-06 | 1.98E-06 | 4.71E-06 | 2.83E-06 | 2.29E-06 | 3.64E-06 | 3.64E-06 | 1.58E-06 |
| R MARROW | G | 8.13E-06 | 2.37E-06 | 1.98E-06 | 8.49E-06 | 7.28E-06 | 1.80E-05 | 7.49E-06 | 2.63E-06 | 4.32E-06 | 4.32E-06 | 6.28E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.13E-06 | 2.37E-06 | 1.98E-06 | 8.49E-06 | 7.28E-06 | 1.80E-05 | 7.49E-06 | 2.63E-06 | 4.32E-06 | 4.32E-06 | 6.28E-06 |
| Y MARROW | G | 4.69E-06 | 8.99E-07 | 1.88E-06 | 3.16E-06 | 2.84E-06 | 6.33E-06 | 3.42E-06 | 3.54E-06 | 4.18E-06 | 4.18E-06 | 5.24E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.69E-06 | 8.99E-07 | 1.88E-06 | 3.16E-06 | 2.84E-06 | 6.33E-06 | 3.42E-06 | 3.54E-06 | 4.18E-06 | 4.18E-06 | 5.24E-06 |
| T E CL | G | 5.01E-06 | 8.98E-07 | 1.33E-06 | 2.26E-06 | 1.98E-06 | 4.71E-06 | 2.83E-06 | 2.29E-06 | 3.64E-06 | 3.64E-06 | 1.58E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.01E-06 | 8.98E-07 | 1.33E-06 | 2.26E-06 | 1.98E-06 | 4.71E-06 | 2.83E-06 | 2.29E-06 | 3.64E-06 | 3.64E-06 | 1.58E-06 |
| SKIN | G | 8.63E-07 | 7.36E-07 | 6.33E-07 | 4.31E-07 | 4.58E-07 | 6.41E-07 | 1.03E-06 | 6.99E-07 | 8.17E-07 | 8.17E-07 | 3.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.63E-07 | 7.36E-07 | 6.33E-07 | 4.31E-07 | 4.58E-07 | 6.41E-07 | 1.03E-06 | 6.99E-07 | 8.17E-07 | 8.17E-07 | 3.12E-06 |
| SPLEEN | G | 1.09E-05 | 5.31E-07 | 1.74E-05 | 1.46E-06 | 1.33E-06 | 7.17E-07 | 2.56E-05 | 7.83E-07 | 4.66E-06 | 4.66E-06 | 4.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.09E-05 | 5.31E-07 | 1.74E-05 | 1.46E-06 | 1.33E-06 | 7.17E-07 | 2.56E-05 | 7.83E-07 | 4.66E-06 | 4.66E-06 | 4.25E-06 |
| TESTES | G | 2.00E-08 | 6.19E-06 | 3.03E-08 | 2.12E-07 | 2.02E-07 | 1.92E-06 | 5.47E-08 | 4.24E-08 | 5.57E-09 | 5.57E-09 | 2.33E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.00E-08 | 6.19E-06 | 3.03E-08 | 2.12E-07 | 2.02E-07 | 1.92E-06 | 5.47E-08 | 4.24E-08 | 5.57E-09 | 5.57E-09 | 2.33E-06 |
| THYMUS | G | 3.58E-07 | 7.26E-09 | 2.50E-07 | 5.02E-08 | 6.48E-08 | 1.69E-08 | 1.52E-07 | 5.26E-07 | 6.52E-06 | 6.52E-06 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.58E-07 | 7.26E-09 | 2.50E-07 | 5.02E-08 | 6.48E-08 | 1.69E-08 | 1.52E-07 | 5.26E-07 | 6.52E-06 | 6.52E-06 | 1.07E-05 |
| THYROID | G | 7.80E-08 | 1.71E-09 | 5.30E-08 | 9.73E-09 | 1.07E-08 | 3.81E-09 | 2.97E-08 | 7.48E-08 | 8.19E-07 | 8.19E-07 | 5.92E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.80E-08 | 1.71E-09 | 5.30E-08 | 9.73E-09 | 1.07E-08 | 3.81E-09 | 2.97E-08 | 7.48E-08 | 8.19E-07 | 8.19E-07 | 5.92E-06 |
| UTERUS | G | 2.04E-07 | 3.86E-05 | 5.54E-07 | 2.01E-05 | 6.46E-06 | 8.87E-06 | 6.36E-07 | 2.88E-07 | 5.55E-08 | 5.55E-08 | 8.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.04E-07 | 3.86E-05 | 5.54E-07 | 2.01E-05 | 6.46E-06 | 8.87E-06 | 6.36E-07 | 2.88E-07 | 5.55E-08 | 5.55E-08 | 8.88E-06 |
| T BODY | G | 7.19E-06 | 7.42E-06 | 7.35E-06 | 7.62E-06 | 7.56E-06 | 7.59E-06 | 7.10E-06 | 7.26E-06 | 7.05E-06 | 7.05E-06 | 6.06E-06 |
| | B | 3.20E-04 | 3.60E-05 | 9.60E-05 | 2.56E-04 | 1.53E-04 | 1.90E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 |
| | T | 3.27E-04 | 4.34E-05 | 1.03E-04 | 2.64E-04 | 1.60E-04 | 1.97E-04 | 3.27E-04 | 3.27E-04 | 3.27E-04 | 3.27E-04 | 3.26E-04 |

CONTINUED NEXT PAGE

46-PALLADIUM-109 AND 47-SILVER-109M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.42E-07 | 1.35E-05 | 2.52E-06 | 2.52E-06 | 4.32E-06 | 1.55E-06 | 1.13E-06 | 1.18E-05 | 2.00E-08 | 7.80E-08 | 5.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 2.42E-07 | 1.35E-05 | 2.52E-06 | 2.52E-06 | 4.32E-06 | 1.55E-06 | 1.13E-06 | 1.18E-05 | 2.00E-08 | 7.80E-08 | 3.25E-04 |
| BLAD WALL | G | 1.00E-05 | 9.43E-08 | 4.37E-07 | 4.37E-07 | 9.98E-07 | 3.62E-07 | 7.20E-07 | 7.29E-08 | 6.60E-06 | 1.72E-09 | 8.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 1.00E-05 | 9.43E-08 | 4.37E-07 | 4.37E-07 | 9.98E-07 | 3.62E-07 | 7.20E-07 | 7.29E-08 | 6.60E-06 | 1.72E-09 | 3.28E-04 |
| GI TRACT S WALL | G | 6.64E-07 | 6.53E-05 | 6.10E-07 | 6.10E-07 | 9.07E-07 | 9.94E-07 | 8.28E-07 | 1.85E-05 | 2.46E-08 | 4.60E-08 | 7.11E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 6.64E-07 | 6.53E-05 | 6.10E-07 | 6.10E-07 | 9.07E-07 | 9.94E-07 | 8.28E-07 | 1.85E-05 | 2.46E-08 | 4.60E-08 | 3.27E-04 |
| SI+CONT | G | 3.85E-05 | 1.59E-06 | 9.14E-07 | 9.14E-07 | 3.50E-06 | 1.32E-06 | 4.82E-07 | 1.28E-06 | 2.57E-07 | 4.62E-09 | 7.41E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 3.85E-05 | 1.59E-06 | 9.14E-07 | 9.14E-07 | 3.50E-06 | 1.32E-06 | 4.82E-07 | 1.28E-06 | 2.57E-07 | 4.62E-09 | 3.27E-04 |
| ULI WALL | G | 5.29E-05 | 1.97E-06 | 8.62E-07 | 8.62E-07 | 3.00E-06 | 1.11E-06 | 5.87E-07 | 1.45E-06 | 2.09E-07 | 7.96E-09 | 7.26E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 5.29E-05 | 1.97E-06 | 8.62E-07 | 8.62E-07 | 3.00E-06 | 1.11E-06 | 5.87E-07 | 1.45E-06 | 2.09E-07 | 7.96E-09 | 3.27E-04 |
| LLI WALL | G | 7.22E-05 | 4.52E-07 | 1.72E-06 | 1.72E-06 | 5.81E-06 | 1.51E-06 | 5.05E-07 | 5.11E-07 | 3.18E-06 | 3.14E-09 | 7.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 7.22E-05 | 4.52E-07 | 1.72E-06 | 1.72E-06 | 5.81E-06 | 1.51E-06 | 5.05E-07 | 5.11E-07 | 3.18E-06 | 3.14E-09 | 3.27E-04 |
| KIDNEYS | G | 7.45E-07 | 9.17E-06 | 1.01E-06 | 1.01E-06 | 2.71E-06 | 1.39E-06 | 1.13E-06 | 2.59E-05 | 2.87E-08 | 2.38E-08 | 6.49E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 7.45E-07 | 9.17E-06 | 1.01E-06 | 1.01E-06 | 2.71E-06 | 1.39E-06 | 1.13E-06 | 2.59E-05 | 2.87E-08 | 2.38E-08 | 3.26E-04 |
| LIVER | G | 4.08E-07 | 6.51E-06 | 8.30E-07 | 8.30E-07 | 1.03E-06 | 1.39E-06 | 7.67E-07 | 7.93E-07 | 2.08E-08 | 6.56E-08 | 7.14E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 4.08E-07 | 6.51E-06 | 8.30E-07 | 8.30E-07 | 1.03E-06 | 1.39E-06 | 7.67E-07 | 7.93E-07 | 2.08E-08 | 6.56E-08 | 3.27E-04 |
| LUNGS | G | 4.35E-08 | 3.42E-06 | 1.42E-06 | 1.42E-06 | 1.68E-06 | 1.64E-06 | 9.76E-07 | 4.75E-06 | 3.67E-09 | 8.95E-07 | 7.05E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 4.35E-08 | 3.42E-06 | 1.42E-06 | 1.42E-06 | 1.68E-06 | 1.64E-06 | 9.76E-07 | 4.75E-06 | 3.67E-09 | 8.95E-07 | 3.27E-04 |
| RESP LYM NODE | G | 4.35E-08 | 3.42E-06 | 1.42E-06 | 1.42E-06 | 1.68E-06 | 1.64E-06 | 9.76E-07 | 4.75E-06 | 3.67E-09 | 8.95E-07 | 7.05E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 4.35E-08 | 3.42E-06 | 1.42E-06 | 1.42E-06 | 1.68E-06 | 1.64E-06 | 9.76E-07 | 4.75E-06 | 3.67E-09 | 8.95E-07 | 3.27E-04 |
| MUSCLE* | G | 6.53E-06 | 5.92E-06 | 1.58E-06 | 1.58E-06 | 2.00E-06 | 1.74E-06 | 3.12E-06 | 4.25E-06 | 2.33E-06 | 5.92E-06 | 6.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 6.53E-06 | 5.92E-06 | 1.58E-06 | 1.58E-06 | 2.00E-06 | 1.74E-06 | 3.12E-06 | 4.25E-06 | 2.33E-06 | 5.92E-06 | 3.26E-04 |
| OVARIES | G | 1.30E-02 | 3.55E-07 | 1.29E-06 | 1.29E-06 | 4.60E-06 | 1.57E-06 | 3.69E-07 | 3.00E-07 | 1.36E-46 | 3.59E-09 | 7.21E-06 |
| | B | 2.04E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 2.05E 00 | 3.55E-07 | 1.29E-06 | 1.29E-06 | 4.60E-06 | 1.57E-06 | 3.69E-07 | 3.00E-07 | 1.36E-46 | 3.59E-09 | 3.27E-04 |

46-PALLADIUM-109 AND 47-SILVER-109M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.73E-07 | 2.84E-03 | 9.86E-07 | 9.86E-07 | 1.59E-06 | 1.02E-06 | 4.08E-07 | 7.48E-05 | 2.89E-08 | 3.60E-08 | 8.08E-06 |
| | B | 0.0 | 2.24E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 3.73E-07 | 2.27E-01 | 9.86E-07 | 9.86E-07 | 1.59E-06 | 1.02E-06 | 4.08E-07 | 7.48E-05 | 2.89E-08 | 3.60E-08 | 3.28E-04 |
| SKELETON BONE | G | 2.74E-06 | 2.12E-06 | 3.83E-05 | 3.83E-05 | 2.42E-05 | 3.08E-05 | 3.91E-06 | 2.22E-06 | 9.02E-07 | 1.33E-06 | 9.72E-06 |
| | B | 0.0 | 0.0 | 4.48E-03 | 2.95E-03 | 1.02E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 2.74E-06 | 2.12E-06 | 4.52E-03 | 2.99E-03 | 1.04E-03 | 3.08E-05 | 3.91E-06 | 2.22E-06 | 9.02E-07 | 1.33E-06 | 3.30E-04 |
| R MARROW | G | 1.07E-05 | 3.99E-06 | 3.63E-05 | 3.63E-05 | 1.01E-04 | 3.17E-05 | 3.57E-06 | 2.70E-06 | 6.66E-07 | 1.38E-06 | 1.08E-05 |
| | B | 0.0 | 0.0 | 1.22E-04 | 5.09E-03 | 1.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 1.07E-05 | 3.99E-06 | 1.59E-04 | 5.13E-03 | 1.13E-02 | 3.17E-05 | 3.57E-06 | 2.70E-06 | 6.66E-07 | 1.38E-06 | 3.31E-04 |
| Y MARROW | G | 3.81E-06 | 2.33E-06 | 3.63E-05 | 3.63E-05 | 3.49E-05 | 6.47E-05 | 4.69E-06 | 3.34E-06 | 2.99E-07 | 6.76E-07 | 9.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.49E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 3.81E-06 | 2.33E-06 | 3.63E-05 | 3.63E-05 | 3.49E-05 | 1.50E-02 | 4.69E-06 | 3.34E-06 | 2.99E-07 | 6.76E-07 | 3.30E-04 |
| T E CL | G | 2.74E-06 | 2.12E-06 | 3.75E-05 | 3.75E-05 | 3.87E-05 | 3.78E-05 | 3.91E-06 | 2.22E-06 | 9.02E-07 | 1.33E-06 | 9.77E-06 |
| | B | 0.0 | 0.0 | 2.78E-03 | 4.92E-03 | 4.19E-03 | 3.73E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 2.74E-06 | 2.12E-06 | 2.82E-03 | 4.95E-03 | 4.22E-03 | 3.77E-03 | 3.91E-06 | 2.22E-06 | 9.02E-07 | 1.33E-06 | 3.30E-04 |
| SKIN | G | 3.69E-07 | 3.71E-07 | 1.30E-06 | 1.30E-06 | 1.10E-06 | 1.66E-06 | 2.43E-05 | 6.35E-07 | 7.25E-06 | 2.15E-06 | 3.63E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.61E-03 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 3.69E-07 | 3.71E-07 | 1.30E-06 | 1.30E-06 | 1.10E-06 | 1.66E-06 | 8.64E-03 | 6.35E-07 | 7.25E-06 | 2.15E-06 | 3.24E-04 |
| SPLEEN | G | 3.54E-07 | 7.59E-05 | 1.08E-06 | 1.08E-06 | 9.61E-07 | 1.20E-06 | 7.12E-07 | 1.45E-03 | 1.96E-08 | 6.98E-08 | 6.93E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-01 | 0.0 | 0.0 | 3.20E-04 |
| | T | 3.54E-07 | 7.59E-05 | 1.08E-06 | 1.08E-06 | 9.61E-07 | 1.20E-06 | 7.12E-07 | 1.26E-01 | 1.96E-08 | 6.98E-08 | 3.27E-04 |
| TESTES | G | 1.36E-46 | 3.13E-08 | 5.69E-07 | 5.69E-07 | 4.01E-07 | 9.65E-07 | 4.30E-06 | 3.00E-08 | 4.87E-03 | 5.53E-10 | 4.97E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.40E-01 | 0.0 | 3.20E-04 |
| | T | 1.36E-46 | 3.13E-08 | 5.69E-07 | 5.69E-07 | 4.01E-07 | 9.65E-07 | 4.30E-06 | 3.00E-08 | 6.45E-01 | 5.53E-10 | 3.25E-04 |
| THYMUS | G | 1.66E-08 | 3.65E-07 | 6.97E-07 | 6.97E-07 | 9.77E-07 | 9.98E-07 | 8.03E-07 | 1.92E-07 | 2.04E-09 | 4.83E-06 | 8.72E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 1.66E-08 | 3.65E-07 | 6.97E-07 | 6.97E-07 | 9.77E-07 | 9.98E-07 | 8.03E-07 | 1.92E-07 | 2.04E-09 | 4.83E-06 | 3.29E-04 |
| THYROID | G | 3.59E-09 | 6.80E-08 | 8.69E-07 | 8.69E-07 | 6.77E-07 | 1.19E-06 | 1.87E-06 | 5.37E-08 | 5.54E-10 | 7.19E-03 | 6.63E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E 00 | 3.20E-04 |
| | T | 3.59E-09 | 6.80E-08 | 8.69E-07 | 8.69E-07 | 6.77E-07 | 1.19E-06 | 1.87E-06 | 5.37E-08 | 5.54E-10 | 1.13E 00 | 3.27E-04 |
| UTERUS | G | 4.86E-05 | 3.55E-07 | 5.62E-07 | 5.62E-07 | 2.02E-06 | 6.78E-07 | 4.51E-07 | 2.95E-07 | 1.36E-46 | 3.36E-09 | 7.50E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-04 |
| | T | 4.86E-05 | 3.55E-07 | 5.62E-07 | 5.62E-07 | 2.02E-06 | 6.78E-07 | 4.51E-07 | 2.95E-07 | 1.36E-46 | 3.36E-09 | 3.27E-04 |
| T BODY | G | 7.72E-06 | 7.67E-06 | 7.04E-06 | 7.04E-06 | 7.18E-06 | 6.77E-06 | 3.82E-06 | 7.28E-06 | 6.15E-06 | 6.45E-06 | 6.57E-06 |
| | B | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 | 3.20E-04 |
| | T | 3.28E-04 | 3.28E-04 | 3.27E-04 | 3.27E-04 | 3.27E-04 | 3.27E-04 | 3.24E-04 | 3.27E-04 | 3.26E-04 | 3.26E-04 | 3.26E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 47-SILVER-109M (TR=4.000E 01 SEC)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 7.48E-03 | 7.03E-08 | 2.38E-06 | 5.05E-07 | 7.27E-07 | 1.79E-07 | 4.30E-05 | 9.96E-06 | 3.39E-06 | 3.39E-06 | 5.81E-06 |
| | B | 2.79E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.87E-01 | 7.03E-08 | 2.38E-06 | 5.05E-07 | 7.27E-07 | 1.79E-07 | 4.30E-05 | 9.96E-06 | 3.39E-06 | 3.39E-06 | 5.81E-06 |
| BLAD WALL | G | 7.74E-08 | 5.92E-04 | 1.76E-07 | 2.42E-06 | 1.91E-06 | 9.69E-06 | 1.50E-07 | 8.90E-08 | 1.57E-08 | 1.57E-08 | 3.94E-06 |
| | B | 0.0 | 9.78E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.74E-08 | 1.04E-02 | 1.76E-07 | 2.42E-06 | 1.91E-06 | 9.69E-06 | 1.50E-07 | 8.90E-08 | 1.57E-08 | 1.57E-08 | 3.94E-06 |
| GI TRACT S WALL | G | 2.70E-06 | 1.57E-07 | 3.82E-04 | 6.58E-06 | 8.60E-06 | 2.03E-06 | 3.56E-06 | 1.95E-06 | 3.22E-06 | 3.22E-06 | 2.90E-06 |
| | B | 0.0 | 0.0 | 7.82E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.70E-06 | 1.57E-07 | 8.21E-03 | 6.58E-06 | 8.60E-06 | 2.03E-06 | 3.56E-06 | 1.95E-06 | 3.22E-06 | 3.22E-06 | 2.90E-06 |
| SI+CONT | G | 5.39E-07 | 2.68E-06 | 2.99E-06 | 2.33E-04 | 6.45E-05 | 3.38E-05 | 2.97E-06 | 1.63E-06 | 1.11E-07 | 1.11E-07 | 3.14E-06 |
| | B | 0.0 | 0.0 | 0.0 | 4.89E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.39E-07 | 2.68E-06 | 2.99E-06 | 5.12E-03 | 6.45E-05 | 3.38E-05 | 2.97E-06 | 1.63E-06 | 1.11E-07 | 1.11E-07 | 3.14E-06 |
| ULI WALL | G | 6.40E-07 | 1.78E-06 | 6.04E-06 | 1.67E-04 | 3.51E-04 | 1.58E-05 | 2.72E-06 | 3.22E-06 | 1.37E-07 | 1.37E-07 | 3.87E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 8.89E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.40E-07 | 1.78E-06 | 6.04E-06 | 1.67E-04 | 9.24E-03 | 1.58E-05 | 2.72E-06 | 3.22E-06 | 1.37E-07 | 1.37E-07 | 3.87E-06 |
| LLI WALL | G | 1.27E-07 | 1.17E-05 | 1.05E-06 | 3.29E-05 | 7.71E-06 | 4.62E-04 | 4.70E-07 | 1.29E-07 | 2.71E-08 | 2.71E-08 | 3.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.27E-07 | 1.17E-05 | 1.05E-06 | 3.29E-05 | 7.71E-06 | 1.50E-02 | 4.70E-07 | 1.29E-07 | 2.71E-08 | 2.71E-08 | 3.27E-06 |
| KIDNEYS | G | 4.07E-05 | 1.48E-07 | 3.44E-06 | 3.20E-06 | 2.71E-06 | 6.08E-07 | 8.13E-04 | 5.89E-06 | 6.92E-07 | 6.92E-07 | 4.11E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.07E-05 | 1.48E-07 | 3.44E-06 | 3.20E-06 | 2.71E-06 | 6.08E-07 | 1.34E-02 | 5.89E-06 | 6.92E-07 | 6.92E-07 | 4.11E-06 |
| LIVER | G | 1.02E-05 | 8.48E-08 | 1.94E-06 | 2.13E-06 | 3.16E-06 | 1.37E-07 | 5.85E-06 | 1.87E-04 | 5.45E-06 | 5.45E-06 | 2.41E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.17E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.02E-05 | 8.48E-08 | 1.94E-06 | 2.13E-06 | 3.16E-06 | 1.37E-07 | 5.85E-06 | 2.36E-03 | 5.45E-06 | 5.45E-06 | 2.41E-06 |
| LUNGS | G | 3.75E-06 | 1.20E-08 | 2.92E-06 | 1.28E-07 | 1.61E-07 | 4.20E-08 | 7.16E-07 | 6.49E-06 | 1.88E-04 | 1.88E-04 | 4.85E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.91E-03 | 3.91E-03 | 0.0 |
| | T | 3.75E-06 | 1.20E-08 | 2.92E-06 | 1.28E-07 | 1.61E-07 | 4.20E-08 | 7.16E-07 | 6.49E-06 | 4.10E-03 | 4.10E-03 | 4.85E-06 |
| RESP LYM NODE | G | 3.75E-06 | 1.20E-08 | 2.92E-06 | 1.28E-07 | 1.61E-07 | 4.20E-08 | 7.16E-07 | 6.49E-06 | 1.80E-04 | 1.88E-04 | 4.85E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.70E-03 | 2.61E-01 | 0.0 |
| | T | 3.75E-06 | 1.20E-08 | 2.92E-06 | 1.28E-07 | 1.61E-07 | 4.20E-08 | 7.16E-07 | 6.49E-06 | 3.88E-03 | 2.61E-01 | 4.85E-06 |
| MUSCLE* | G | 5.81E-06 | 3.94E-06 | 2.99E-06 | 3.14E-06 | 2.75E-06 | 3.27E-06 | 4.11E-06 | 2.41E-06 | 4.85E-06 | 4.85E-06 | 6.99E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 5.81E-06 | 3.94E-06 | 2.99E-06 | 3.14E-06 | 2.75E-06 | 3.27E-06 | 4.11E-06 | 2.41E-06 | 4.85E-06 | 4.85E-06 | 1.47E-04 |
| OVARIES | G | 3.49E-07 | 8.59E-06 | 4.02E-07 | 2.82E-05 | 3.22E-05 | 8.02E-05 | 7.34E-07 | 2.89E-07 | 4.86E-08 | 4.86E-08 | 6.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.49E-07 | 8.59E-06 | 4.02E-07 | 2.82E-05 | 3.22E-05 | 8.02E-05 | 7.34E-07 | 2.89E-07 | 4.86E-08 | 4.86E-08 | 6.31E-06 |

47-SILVER-109M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.31E-05 | 1.06E-07 | 4.98E-05 | 1.65E-06 | 1.80E-06 | 5.23E-07 | 8.67E-06 | 5.87E-06 | 3.02E-06 | 3.02E-06 | 5.71E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.31E-05 | 1.06E-07 | 4.98E-05 | 1.65E-06 | 1.80E-06 | 5.23E-07 | 8.67E-06 | 5.87E-06 | 3.02E-06 | 3.02E-06 | 5.71E-06 |
| SKELETON BONE | G | 4.85E-06 | 8.29E-07 | 1.26E-06 | 2.16E-06 | 1.89E-06 | 4.59E-06 | 2.72E-06 | 2.21E-06 | 3.52E-06 | 3.52E-06 | 1.45E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.85E-06 | 8.29E-07 | 1.26E-06 | 2.16E-06 | 1.89E-06 | 4.59E-06 | 2.72E-06 | 2.21E-06 | 3.52E-06 | 3.52E-06 | 1.45E-06 |
| R MARROW | G | 7.84E-06 | 2.23E-06 | 1.86E-06 | 8.19E-06 | 7.02E-06 | 1.77E-05 | 7.19E-06 | 2.51E-06 | 4.17E-06 | 4.17E-06 | 6.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.84E-06 | 2.23E-06 | 1.86E-06 | 8.19E-06 | 7.02E-06 | 1.77E-05 | 7.19E-06 | 2.51E-06 | 4.17E-06 | 4.17E-06 | 6.12E-06 |
| Y MARROW | G | 4.54E-06 | 8.36E-07 | 1.79E-06 | 3.03E-06 | 2.71E-06 | 6.18E-06 | 3.28E-06 | 3.41E-06 | 4.06E-06 | 4.06E-06 | 5.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.54E-06 | 8.36E-07 | 1.79E-06 | 3.03E-06 | 2.71E-06 | 6.18E-06 | 3.28E-06 | 3.41E-06 | 4.06E-06 | 4.06E-06 | 5.10E-06 |
| T E CL | G | 4.85E-06 | 8.29E-07 | 1.26E-06 | 2.16E-06 | 1.89E-06 | 4.59E-06 | 2.72E-06 | 2.21E-06 | 3.52E-06 | 3.52E-06 | 1.45E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.85E-06 | 8.29E-07 | 1.26E-06 | 2.16E-06 | 1.89E-06 | 4.59E-06 | 2.72E-06 | 2.21E-06 | 3.52E-06 | 3.52E-06 | 1.45E-06 |
| SKIN | G | 7.86E-07 | 6.62E-07 | 5.67E-07 | 3.71E-07 | 3.97E-07 | 5.74E-07 | 9.59E-07 | 6.31E-07 | 7.41E-07 | 7.41E-07 | 3.02E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.86E-07 | 6.62E-07 | 5.67E-07 | 3.71E-07 | 3.97E-07 | 5.74E-07 | 9.59E-07 | 6.31E-07 | 7.41E-07 | 7.41E-07 | 3.02E-06 |
| SPLEEN | G | 1.02E-05 | 5.06E-07 | 1.63E-05 | 1.28E-06 | 1.18E-06 | 6.09E-07 | 2.46E-05 | 6.67E-07 | 4.41E-06 | 4.41E-06 | 4.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.02E-05 | 5.06E-07 | 1.63E-05 | 1.28E-06 | 1.18E-06 | 6.09E-07 | 2.46E-05 | 6.67E-07 | 4.41E-06 | 4.41E-06 | 4.08E-06 |
| TESTES | G | 1.19E-08 | 5.63E-06 | 2.27E-08 | 1.67E-07 | 1.46E-07 | 1.70E-06 | 3.77E-08 | 2.59E-08 | 2.68E-09 | 2.68E-09 | 2.19E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.19E-08 | 5.63E-06 | 2.27E-08 | 1.67E-07 | 1.46E-07 | 1.70E-06 | 3.77E-08 | 2.59E-08 | 2.68E-09 | 2.68E-09 | 2.19E-06 |
| THYMUS | G | 2.71E-07 | 3.52E-09 | 2.06E-07 | 3.44E-08 | 4.76E-08 | 1.02E-08 | 1.19E-07 | 4.03E-07 | 6.08E-06 | 6.08E-06 | 1.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.71E-07 | 3.52E-09 | 2.06E-07 | 3.44E-08 | 4.76E-08 | 1.02E-08 | 1.19E-07 | 4.03E-07 | 6.08E-06 | 6.08E-06 | 1.05E-05 |
| THYROID | G | 5.57E-08 | 5.27E-10 | 3.58E-08 | 5.09E-09 | 5.70E-09 | 1.65E-09 | 1.89E-08 | 5.26E-08 | 6.84E-07 | 6.84E-07 | 5.76E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.57E-08 | 5.27E-10 | 3.58E-08 | 5.09E-09 | 5.70E-09 | 1.65E-09 | 1.89E-08 | 5.26E-08 | 6.84E-07 | 6.84E-07 | 5.76E-06 |
| UTERUS | G | 1.21E-07 | 3.69E-05 | 4.52E-07 | 1.91E-05 | 5.94E-06 | 8.21E-06 | 5.37E-07 | 2.41E-07 | 4.39E-08 | 4.39E-08 | 8.63E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.21E-07 | 3.69E-05 | 4.52E-07 | 1.91E-05 | 5.94E-06 | 8.21E-06 | 5.37E-07 | 2.41E-07 | 4.39E-08 | 4.39E-08 | 8.63E-06 |
| T BODY | G | 7.00E-06 | 7.21E-06 | 7.15E-06 | 7.40E-06 | 7.34E-06 | 7.37E-06 | 6.90E-06 | 7.07E-06 | 6.88E-06 | 6.88E-06 | 5.90E-06 |
| | B | 5.59E-05 | 6.29E-06 | 1.68E-05 | 4.47E-05 | 2.67E-05 | 3.31E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 |
| | T | 6.29E-05 | 1.35E-05 | 2.39E-05 | 5.21E-05 | 3.40E-05 | 4.05E-05 | 6.28E-05 | 6.30E-05 | 6.28E-05 | 6.28E-05 | 6.18E-05 |

CONTINUED NEXT PAGE

47-SILVER-109M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.79E-07 | 1.26E-05 | 2.33E-06 | 2.33E-06 | 4.07E-06 | 1.44E-06 | 1.04E-06 | 1.11E-05 | 1.19E-08 | 5.57E-08 | 4.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 1.79E-07 | 1.26E-05 | 2.33E-06 | 2.33E-06 | 4.07E-06 | 1.44E-06 | 1.04E-06 | 1.11E-05 | 1.19E-08 | 5.57E-08 | 6.08E-05 |
| BLAD WALL | G | 9.27E-06 | 7.49E-08 | 3.73E-07 | 3.73E-07 | 9.06E-07 | 3.28E-07 | 6.46E-07 | 5.04E-08 | 6.03E-06 | 5.37E-10 | 8.13E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 9.27E-06 | 7.49E-08 | 3.73E-07 | 3.73E-07 | 9.06E-07 | 3.28E-07 | 6.46E-07 | 5.04E-08 | 6.03E-06 | 5.37E-10 | 6.40E-05 |
| GI TRACT S WALL | G | 5.72E-07 | 6.33E-05 | 5.45E-07 | 5.45E-07 | 7.87E-07 | 9.09E-07 | 7.55E-07 | 1.75E-05 | 1.36E-08 | 3.27E-08 | 6.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 5.72E-07 | 6.33E-05 | 5.45E-07 | 5.45E-07 | 7.87E-07 | 9.09E-07 | 7.55E-07 | 1.75E-05 | 1.36E-08 | 3.27E-08 | 6.28E-05 |
| SI+CONT | G | 3.71E-05 | 1.39E-06 | 8.22E-07 | 8.22E-07 | 3.20E-06 | 1.20E-06 | 4.19E-07 | 1.12E-06 | 1.99E-07 | 2.68E-09 | 7.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 3.71E-05 | 1.39E-06 | 8.22E-07 | 8.22E-07 | 3.20E-06 | 1.20E-06 | 4.19E-07 | 1.12E-06 | 1.99E-07 | 2.68E-09 | 6.31E-05 |
| ULI WALL | G | 5.16E-05 | 1.73E-06 | 7.79E-07 | 7.79E-07 | 2.77E-06 | 1.01E-06 | 5.20E-07 | 1.29E-06 | 1.69E-07 | 5.77E-09 | 7.04E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 5.16E-05 | 1.73E-06 | 7.79E-07 | 7.79E-07 | 2.77E-06 | 1.01E-06 | 5.20E-07 | 1.29E-06 | 1.69E-07 | 5.77E-09 | 6.29E-05 |
| LLI WALL | G | 7.05E-05 | 3.90E-07 | 1.61E-06 | 1.61E-06 | 5.46E-06 | 1.41E-06 | 4.36E-07 | 4.35E-07 | 2.88E-06 | 1.32E-09 | 6.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 7.05E-05 | 3.90E-07 | 1.61E-06 | 1.61E-06 | 5.46E-06 | 1.41E-06 | 4.36E-07 | 4.35E-07 | 2.88E-06 | 1.32E-09 | 6.28E-05 |
| KIDNEYS | G | 6.21E-07 | 8.47E-06 | 8.99E-07 | 8.99E-07 | 2.45E-06 | 1.25E-06 | 1.05E-06 | 2.50E-05 | 1.66E-08 | 1.63E-08 | 6.29E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 6.21E-07 | 8.47E-06 | 8.99E-07 | 8.99E-07 | 2.45E-06 | 1.25E-06 | 1.05E-06 | 2.50E-05 | 1.66E-08 | 1.63E-08 | 6.22E-05 |
| LIVER | G | 3.38E-07 | 6.04E-06 | 7.50E-07 | 7.50E-07 | 9.16E-07 | 1.27E-06 | 6.92E-07 | 6.72E-07 | 1.36E-08 | 4.73E-08 | 6.94E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 3.38E-07 | 6.04E-06 | 7.50E-07 | 7.50E-07 | 9.16E-07 | 1.27E-06 | 6.92E-07 | 6.72E-07 | 1.36E-08 | 4.73E-08 | 6.28E-05 |
| LUNGS | G | 3.01E-08 | 3.15E-06 | 1.31E-06 | 1.31E-06 | 1.54E-06 | 1.52E-06 | 8.98E-07 | 4.50E-06 | 1.64E-09 | 7.74E-07 | 6.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 3.01E-08 | 3.15E-06 | 1.31E-06 | 1.31E-06 | 1.54E-06 | 1.52E-06 | 8.98E-07 | 4.50E-06 | 1.64E-09 | 7.74E-07 | 6.28E-05 |
| RESP LYM NODE | G | 3.01E-08 | 3.15E-06 | 1.31E-06 | 1.31E-06 | 1.54E-06 | 1.52E-06 | 8.98E-07 | 4.50E-06 | 1.64E-09 | 7.74E-07 | 6.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 3.01E-08 | 3.15E-06 | 1.31E-06 | 1.31E-06 | 1.54E-06 | 1.52E-06 | 8.98E-07 | 4.50E-06 | 1.64E-09 | 7.74E-07 | 6.28E-05 |
| MUSCLE* | G | 6.31E-06 | 5.71E-06 | 1.45E-06 | 1.45E-06 | 1.85E-06 | 1.62E-06 | 3.02E-06 | 4.08E-06 | 2.19E-06 | 5.76E-06 | 5.90E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 6.31E-06 | 5.71E-06 | 1.45E-06 | 1.45E-06 | 1.85E-06 | 1.62E-06 | 3.02E-06 | 4.08E-06 | 2.19E-06 | 5.76E-06 | 6.18E-05 |
| OVARIES | G | 1.29E-02 | 2.95E-07 | 1.18E-06 | 1.18E-06 | 4.25E-06 | 1.46E-06 | 3.22E-07 | 2.04E-07 | 1.36E-46 | 1.43E-09 | 7.02E-06 |
| | B | 3.56E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 3.69E-01 | 2.95E-07 | 1.18E-06 | 1.18E-06 | 4.25E-06 | 1.46E-06 | 3.22E-07 | 2.04E-07 | 1.36E-46 | 1.43E-09 | 6.29E-05 |

47-SILVER-109M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.00E-07 | 2.81E-03 | 8.77E-07 | 8.77E-07 | 1.42E-06 | 8.75E-07 | 3.44E-07 | 7.26E-05 | 2.20E-08 | 2.79E-08 | 7.87E-06 |
| | B | 0.0 | 3.91E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 3.00E-07 | 4.19E-02 | 8.77E-07 | 8.77E-07 | 1.42E-06 | 8.75E-07 | 3.44E-07 | 7.26E-05 | 2.20E-08 | 2.79E-08 | 6.38E-05 |
| SKELETON BONE | G | 2.63E-06 | 2.01E-06 | 3.79E-05 | 3.79E-05 | 2.39E-05 | 3.05E-05 | 3.80E-06 | 2.13E-06 | 8.25E-07 | 1.24E-06 | 9.54E-06 |
| | B | 0.0 | 0.0 | 7.82E-04 | 6.63E-04 | 7.97E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 2.63E-06 | 2.01E-06 | 8.20E-04 | 7.01E-04 | 1.04E-04 | 3.05E-05 | 3.80E-06 | 2.13E-06 | 8.25E-07 | 1.24E-06 | 6.54E-05 |
| R MARROW | G | 1.04E-05 | 3.78E-06 | 3.60E-05 | 3.60E-05 | 9.97E-05 | 3.13E-05 | 3.48E-06 | 2.57E-06 | 6.05E-07 | 1.28E-06 | 1.06E-05 |
| | B | 0.0 | 0.0 | 3.24E-06 | 3.98E-04 | 2.33E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 1.04E-05 | 3.78E-06 | 3.92E-05 | 4.34E-04 | 2.43E-03 | 3.13E-05 | 3.48E-06 | 2.57E-06 | 6.05E-07 | 1.28E-06 | 6.65E-05 |
| Y MARROW | G | 3.66E-06 | 2.20E-06 | 3.59E-05 | 3.59E-05 | 3.45E-05 | 6.41E-05 | 4.59E-06 | 3.20E-06 | 2.66E-07 | 6.29E-07 | 9.71E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.61E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 3.66E-06 | 2.20E-06 | 3.59E-05 | 3.59E-05 | 3.45E-05 | 2.67E-03 | 4.59E-06 | 3.20E-06 | 2.66E-07 | 6.29E-07 | 6.56E-05 |
| T E CL | G | 2.63E-06 | 2.01E-06 | 3.71E-05 | 3.71E-05 | 3.83E-05 | 3.75E-05 | 3.80E-06 | 2.13E-06 | 8.25E-07 | 1.24E-06 | 9.59E-06 |
| | B | 0.0 | 0.0 | 4.06E-04 | 8.48E-04 | 7.39E-04 | 6.52E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 2.63E-06 | 2.01E-06 | 4.43E-04 | 8.85E-04 | 7.77E-04 | 6.89E-04 | 3.80E-06 | 2.13E-06 | 8.25E-07 | 1.24E-06 | 6.55E-05 |
| SKIN | G | 3.09E-07 | 3.13E-07 | 1.20E-06 | 1.20E-06 | 1.01E-06 | 1.56E-06 | 2.41E-05 | 5.65E-07 | 7.07E-06 | 2.05E-06 | 3.52E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.50E-03 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 3.09E-07 | 3.13E-07 | 1.20E-06 | 1.20E-06 | 1.01E-06 | 1.56E-06 | 1.53E-03 | 5.65E-07 | 7.07E-06 | 2.05E-06 | 5.94E-05 |
| SPLEEN | G | 2.81E-07 | 7.37E-05 | 9.87E-07 | 9.87E-07 | 8.60E-07 | 1.09E-06 | 6.34E-07 | 1.43E-03 | 8.69E-09 | 5.30E-08 | 6.73E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.17E-02 | 0.0 | 0.0 | 5.59E-05 |
| | T | 2.81E-07 | 7.37E-05 | 9.87E-07 | 9.87E-07 | 8.60E-07 | 1.09E-06 | 6.34E-07 | 2.32E-02 | 8.69E-09 | 5.30E-08 | 6.26E-05 |
| TESTES | G | 1.36E-46 | 2.21E-08 | 5.00E-07 | 5.00E-07 | 3.54E-07 | 8.54E-07 | 4.20E-06 | 1.91E-08 | 4.82E-03 | 1.02E-10 | 4.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-01 | 0.0 | 5.59E-05 |
| | T | 1.36E-46 | 2.21E-08 | 5.00E-07 | 5.00E-07 | 3.54E-07 | 8.54E-07 | 4.20E-06 | 1.91E-08 | 1.17E-01 | 1.02E-10 | 6.07E-05 |
| THYMUS | G | 9.55E-09 | 2.99E-07 | 6.14E-07 | 6.14E-07 | 9.14E-07 | 9.47E-07 | 7.11E-07 | 1.33E-07 | 6.73E-10 | 4.35E-06 | 8.53E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 9.55E-09 | 2.99E-07 | 6.14E-07 | 6.14E-07 | 9.14E-07 | 9.47E-07 | 7.11E-07 | 1.33E-07 | 6.73E-10 | 4.35E-06 | 6.44E-05 |
| THYROID | G | 1.43E-09 | 5.20E-08 | 7.63E-07 | 7.63E-07 | 5.76E-07 | 1.12E-06 | 1.78E-06 | 3.70E-08 | 1.02E-10 | 7.13E-03 | 6.46E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-01 | 5.59E-05 |
| | T | 1.43E-09 | 5.20E-08 | 7.63E-07 | 7.63E-07 | 5.76E-07 | 1.12E-06 | 1.78E-06 | 3.70E-08 | 1.02E-10 | 2.03E-01 | 6.23E-05 |
| UTERUS | G | 4.65E-05 | 2.84E-07 | 4.86E-07 | 4.86E-07 | 1.81E-06 | 6.03E-07 | 3.84E-07 | 2.39E-07 | 1.36E-46 | 1.31E-09 | 7.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.59E-05 |
| | T | 4.65E-05 | 2.84E-07 | 4.86E-07 | 4.86E-07 | 1.81E-06 | 6.03E-07 | 3.84E-07 | 2.39E-07 | 1.36E-46 | 1.31E-09 | 6.32E-05 |
| T BODY | G | 7.49E-06 | 7.45E-06 | 6.87E-06 | 6.87E-06 | 6.99E-06 | 6.62E-06 | 3.71E-06 | 7.08E-06 | 5.98E-06 | 6.30E-06 | 6.41E-06 |
| | B | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 | 5.59E-05 |
| | T | 6.34E-05 | 6.33E-05 | 6.28E-05 | 6.28E-05 | 6.29E-05 | 6.25E-05 | 5.96E-05 | 6.30E-05 | 6.19E-05 | 6.22E-05 | 6.23E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-BOYD, H. W. ET AL., PHYSICA 30, 124 (1964)
DATE DECAY DATA REVIEWED-APRIL 1971

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 47-SILVER-111 (TR=7.500E 00 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.06E-03 | 1.01E-06 | 1.07E-05 | 6.76E-06 | 4.53E-06 | 2.26E-06 | 5.21E-05 | 2.35E-05 | 1.16E-05 | 1.16E-05 | 7.03E-06 |
| | B | 1.32E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.32E 00 | 1.01E-06 | 1.07E-05 | 6.76E-06 | 4.53E-06 | 2.26E-06 | 5.21E-05 | 2.35E-05 | 1.16E-05 | 1.16E-05 | 7.03E-06 |
| BLAD WALL | G | 5.53E-07 | 3.40E-04 | 1.57E-06 | 1.40E-05 | 9.60E-06 | 2.89E-05 | 1.64E-06 | 1.15E-06 | 2.93E-07 | 2.93E-07 | 8.35E-06 |
| | B | 0.0 | 4.61E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.53E-07 | 4.64E-02 | 1.57E-06 | 1.40E-05 | 9.60E-06 | 2.89E-05 | 1.64E-06 | 1.15E-06 | 2.93E-07 | 2.93E-07 | 8.35E-06 |
| GI TRACT S WALL | G | 1.39E-05 | 1.44E-06 | 2.42E-04 | 1.67E-05 | 1.73E-05 | 8.43E-06 | 1.59E-05 | 9.07E-06 | 8.71E-06 | 8.71E-06 | 6.60E-06 |
| | B | 0.0 | 0.0 | 3.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.39E-05 | 1.44E-06 | 3.71E-02 | 1.67E-05 | 1.73E-05 | 8.43E-06 | 1.59E-05 | 9.07E-06 | 8.71E-06 | 8.71E-06 | 6.60E-06 |
| SI+CONT | G | 4.26E-06 | 1.30E-05 | 1.23E-05 | 1.45E-04 | 7.75E-05 | 4.31E-05 | 1.33E-05 | 7.71E-06 | 1.12E-06 | 1.12E-06 | 7.30E-06 |
| | B | 0.0 | 0.0 | 0.0 | 2.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.26E-06 | 1.30E-05 | 1.23E-05 | 2.32E-02 | 7.75E-05 | 4.31E-05 | 1.33E-05 | 7.71E-06 | 1.12E-06 | 1.12E-06 | 7.30E-06 |
| ULI WALL | G | 4.63E-06 | 1.11E-05 | 1.61E-05 | 1.09E-04 | 1.99E-04 | 1.99E-05 | 1.36E-05 | 1.18E-05 | 1.45E-06 | 1.45E-06 | 7.64E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.63E-06 | 1.11E-05 | 1.61E-05 | 1.09E-04 | 4.21E-02 | 1.99E-05 | 1.36E-05 | 1.18E-05 | 1.45E-06 | 1.45E-06 | 7.64E-06 |
| LLI WALL | G | 1.35E-06 | 3.33E-05 | 6.07E-06 | 3.27E-05 | 1.41E-05 | 2.38E-04 | 4.08E-06 | 1.31E-06 | 4.57E-07 | 4.57E-07 | 7.98E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.82E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-06 | 3.33E-05 | 6.07E-06 | 3.27E-05 | 1.41E-05 | 6.85E-02 | 4.08E-06 | 1.31E-06 | 4.57E-07 | 4.57E-07 | 7.98E-06 |
| KIDNEYS | G | 5.44E-05 | 1.56E-06 | 1.61E-05 | 1.46E-05 | 1.29E-05 | 4.26E-06 | 3.33E-04 | 1.79E-05 | 4.52E-06 | 4.52E-06 | 6.65E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.44E-05 | 1.56E-06 | 1.61E-05 | 1.46E-05 | 1.29E-05 | 4.26E-06 | 5.98E-02 | 1.79E-05 | 4.52E-06 | 4.52E-06 | 6.65E-06 |
| LIVER | G | 2.32E-05 | 1.17E-06 | 9.42E-06 | 8.65E-06 | 1.20E-05 | 1.48E-06 | 1.84E-05 | 1.19E-04 | 1.15E-05 | 1.15E-05 | 5.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-02 | 0.0 | 0.0 | 0.0 |
| | T | 2.32E-05 | 1.17E-06 | 9.42E-06 | 8.65E-06 | 1.20E-05 | 1.48E-06 | 1.84E-05 | 1.04E-02 | 1.15E-05 | 1.15E-05 | 5.16E-06 |
| LUNGS | G | 1.14E-05 | 1.75E-07 | 8.30E-06 | 1.38E-06 | 1.45E-06 | 4.50E-07 | 4.21E-06 | 1.15E-05 | 6.80E-05 | 6.80E-05 | 6.22E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-02 | 1.84E-02 | 0.0 |
| | T | 1.14E-05 | 1.75E-07 | 8.30E-06 | 1.38E-06 | 1.45E-06 | 4.50E-07 | 4.21E-06 | 1.15E-05 | 1.85E-02 | 1.85E-02 | 6.22E-06 |
| RESP LYM NODE | G | 1.14E-05 | 1.75E-07 | 8.30E-06 | 1.38E-06 | 1.45E-06 | 4.50E-07 | 4.21E-06 | 1.15E-05 | 6.80E-05 | 6.80E-05 | 6.22E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-02 | 1.23E 00 | 0.0 |
| | T | 1.14E-05 | 1.75E-07 | 8.30E-06 | 1.38E-06 | 1.45E-06 | 4.50E-07 | 4.21E-06 | 1.15E-05 | 1.85E-02 | 1.23E 00 | 6.22E-06 |
| MUSCLE* | G | 7.03E-06 | 8.35E-06 | 6.60E-06 | 7.30E-06 | 6.95E-06 | 7.98E-06 | 6.65E-06 | 5.16E-06 | 6.22E-06 | 6.22E-06 | 6.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.58E-04 |
| | T | 7.03E-06 | 8.35E-06 | 6.60E-06 | 7.30E-06 | 6.95E-06 | 7.98E-06 | 6.65E-06 | 5.16E-06 | 6.22E-06 | 6.22E-06 | 6.65E-04 |
| OVARIES | G | 2.68E-06 | 3.29E-05 | 2.26E-06 | 4.58E-05 | 5.66E-05 | 8.52E-05 | 5.70E-06 | 1.73E-06 | 6.49E-07 | 6.49E-07 | 9.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.68E-06 | 3.29E-05 | 2.26E-06 | 4.58E-05 | 5.66E-05 | 8.52E-05 | 5.70E-06 | 1.73E-06 | 6.49E-07 | 6.49E-07 | 9.34E-06 |

47-SILVER-111 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 3.99E-05 | 1.35E-06 | 8.34E-05 | 9.72E-06 | 1.01E-05 | 3.40E-06 | 3.05E-05 | 2.01E-05 | 1.24E-05 | 1.24E-05 | 8.43E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.99E-05 | 1.35E-06 | 8.34E-05 | 9.72E-06 | 1.01E-05 | 3.40E-06 | 3.05E-05 | 2.01E-05 | 1.24E-05 | 1.24E-05 | 8.43E-06 |
| SKELETON BONE | G | 7.01E-06 | 3.20E-06 | 3.16E-06 | 4.23E-06 | 3.84E-06 | 5.49E-06 | 5.04E-06 | 3.87E-06 | 5.10E-06 | 5.10E-06 | 5.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.01E-06 | 3.20E-06 | 3.16E-06 | 4.23E-06 | 3.84E-06 | 5.49E-06 | 5.04E-06 | 3.87E-06 | 5.10E-06 | 5.10E-06 | 5.08E-06 |
| R MARROW | G | 1.27E-05 | 7.07E-06 | 5.58E-06 | 1.37E-05 | 1.18E-05 | 1.65E-05 | 1.30E-05 | 5.65E-06 | 6.47E-06 | 6.47E-06 | 7.00E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.27E-05 | 7.07E-06 | 5.58E-06 | 1.37E-05 | 1.18E-05 | 1.65E-05 | 1.30E-05 | 5.65E-06 | 6.47E-06 | 6.47E-06 | 7.00E-06 |
| Y MARROW | G | 6.77E-06 | 2.94E-06 | 4.39E-06 | 5.89E-06 | 5.47E-06 | 6.76E-06 | 6.24E-06 | 5.69E-06 | 5.32E-06 | 5.32E-06 | 5.54E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.77E-06 | 2.94E-06 | 4.39E-06 | 5.89E-06 | 5.47E-06 | 6.76E-06 | 6.24E-06 | 5.69E-06 | 5.32E-06 | 5.32E-06 | 5.54E-06 |
| T E CL | G | 7.01E-06 | 3.20E-06 | 3.16E-06 | 4.23E-06 | 3.84E-06 | 5.49E-06 | 5.04E-06 | 3.87E-06 | 5.10E-06 | 5.10E-06 | 5.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.01E-06 | 3.20E-06 | 3.16E-06 | 4.23E-06 | 3.84E-06 | 5.49E-06 | 5.04E-06 | 3.87E-06 | 5.10E-06 | 5.10E-06 | 5.08E-06 |
| SKIN | G | 2.98E-06 | 2.85E-06 | 2.49E-06 | 2.33E-06 | 2.37E-06 | 2.63E-06 | 2.92E-06 | 2.66E-06 | 2.98E-06 | 2.98E-06 | 3.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.98E-06 | 2.85E-06 | 2.49E-06 | 2.33E-06 | 2.37E-06 | 2.63E-06 | 2.92E-06 | 2.66E-06 | 2.98E-06 | 2.98E-06 | 3.96E-06 |
| SPLEEN | G | 3.09E-05 | 8.90E-07 | 4.60E-05 | 7.37E-06 | 6.24E-06 | 4.03E-06 | 4.02E-05 | 4.57E-06 | 1.05E-05 | 1.05E-05 | 6.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.09E-05 | 8.90E-07 | 4.60E-05 | 7.37E-06 | 6.24E-06 | 4.03E-06 | 4.02E-05 | 4.57E-06 | 1.05E-05 | 1.05E-05 | 6.88E-06 |
| TESTES | G | 2.76E-07 | 2.25E-05 | 2.34E-07 | 1.71E-06 | 1.95E-06 | 9.62E-06 | 6.31E-07 | 4.78E-07 | 8.74E-08 | 8.74E-08 | 5.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.76E-07 | 2.25E-05 | 2.34E-07 | 1.71E-06 | 1.95E-06 | 9.62E-06 | 6.31E-07 | 4.78E-07 | 8.74E-08 | 8.74E-08 | 5.66E-06 |
| THYMUS | G | 3.03E-06 | 1.15E-07 | 1.18E-06 | 5.83E-07 | 6.44E-07 | 2.27E-07 | 1.36E-06 | 4.52E-06 | 1.81E-05 | 1.81E-05 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.03E-06 | 1.15E-07 | 1.18E-06 | 5.83E-07 | 6.44E-07 | 2.27E-07 | 1.36E-06 | 4.52E-06 | 1.81E-05 | 1.81E-05 | 1.09E-05 |
| THYROID | G | 8.50E-07 | 3.09E-08 | 6.43E-07 | 1.48E-07 | 1.60E-07 | 6.33E-08 | 3.81E-07 | 9.83E-07 | 4.77E-06 | 4.77E-06 | 6.33E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.50E-07 | 3.09E-08 | 6.43E-07 | 1.48E-07 | 1.60E-07 | 6.33E-08 | 3.81E-07 | 9.83E-07 | 4.77E-06 | 4.77E-06 | 6.33E-06 |
| UTERUS | G | 6.88E-06 | 7.16E-05 | 4.06E-06 | 4.25E-05 | 2.17E-05 | 3.00E-05 | 4.58E-06 | 1.95E-06 | 4.61E-07 | 4.61E-07 | 1.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.88E-06 | 7.16E-05 | 4.06E-06 | 4.25E-05 | 2.17E-05 | 3.00E-05 | 4.58E-06 | 1.95E-06 | 4.61E-07 | 4.61E-07 | 1.01E-05 |
| T BODY | G | 7.86E-06 | 8.78E-06 | 8.31E-06 | 9.28E-06 | 9.01E-06 | 8.97E-06 | 7.91E-06 | 7.96E-06 | 6.82E-06 | 6.82E-06 | 6.59E-06 |
| | B | 2.63E-04 | 2.96E-05 | 7.89E-05 | 2.11E-04 | 1.26E-04 | 1.56E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 |
| | T | 2.71E-04 | 3.84E-05 | 8.73E-05 | 2.20E-04 | 1.35E-04 | 1.65E-04 | 2.71E-04 | 2.71E-04 | 2.70E-04 | 2.70E-04 | 2.70E-04 |

CONTINUED NEXT PAGE

47-SILVER-111 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.29E-06 | 3.94E-05 | 6.92E-06 | 6.92E-06 | 1.08E-05 | 6.01E-06 | 3.60E-06 | 2.97E-05 | 2.76E-07 | 8.50E-07 | 9.63E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.29E-06 | 3.94E-05 | 6.92E-06 | 6.92E-06 | 1.08E-05 | 6.01E-06 | 3.60E-06 | 2.97E-05 | 2.76E-07 | 8.50E-07 | 2.73E-04 |
| BLAD WALL | G | 3.20E-05 | 8.24E-07 | 2.63E-06 | 2.63E-06 | 3.46E-06 | 1.52E-06 | 2.74E-06 | 7.50E-07 | 2.32E-05 | 3.12E-08 | 8.38E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 3.20E-05 | 8.24E-07 | 2.63E-06 | 2.63E-06 | 3.46E-06 | 1.52E-06 | 2.74E-06 | 7.50E-07 | 2.32E-05 | 3.12E-08 | 2.72E-04 |
| GI TRACT S WALL | G | 3.84E-06 | 8.36E-05 | 2.75E-06 | 2.75E-06 | 5.01E-06 | 3.50E-06 | 2.82E-06 | 4.53E-05 | 3.77E-07 | 3.87E-07 | 8.69E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 3.84E-06 | 8.36E-05 | 2.75E-06 | 2.75E-06 | 5.01E-06 | 3.50E-06 | 2.82E-06 | 4.53E-05 | 3.77E-07 | 3.87E-07 | 2.72E-04 |
| SI+CONT | G | 5.56E-05 | 8.58E-06 | 3.70E-06 | 3.70E-06 | 1.24E-05 | 5.00E-06 | 2.44E-06 | 6.63E-06 | 2.24E-06 | 5.94E-08 | 9.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 5.56E-05 | 8.58E-06 | 3.70E-06 | 3.70E-06 | 1.24E-05 | 5.00E-06 | 2.44E-06 | 6.63E-06 | 2.24E-06 | 5.94E-08 | 2.72E-04 |
| ULI WALL | G | 5.27E-05 | 1.03E-05 | 3.43E-06 | 3.43E-06 | 9.84E-06 | 4.31E-06 | 2.46E-06 | 6.15E-06 | 1.65E-06 | 5.47E-08 | 8.78E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 5.27E-05 | 1.03E-05 | 3.43E-06 | 3.43E-06 | 9.84E-06 | 4.31E-06 | 2.46E-06 | 6.15E-06 | 1.65E-06 | 5.47E-08 | 2.72E-04 |
| LLI WALL | G | 6.71E-05 | 2.63E-06 | 4.78E-06 | 4.78E-06 | 1.41E-05 | 4.11E-06 | 2.59E-06 | 3.14E-06 | 1.32E-05 | 5.24E-08 | 8.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 6.71E-05 | 2.63E-06 | 4.78E-06 | 4.78E-06 | 1.41E-05 | 4.11E-06 | 2.59E-06 | 3.14E-06 | 1.32E-05 | 5.24E-08 | 2.72E-04 |
| KIDNEYS | G | 4.95E-06 | 2.96E-05 | 4.34E-06 | 4.34E-06 | 1.09E-05 | 5.44E-06 | 3.28E-06 | 4.09E-05 | 3.73E-07 | 2.13E-07 | 8.20E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 4.95E-06 | 2.96E-05 | 4.34E-06 | 4.34E-06 | 1.09E-05 | 5.44E-06 | 3.28E-06 | 4.09E-05 | 3.73E-07 | 2.13E-07 | 2.71E-04 |
| LIVER | G | 2.83E-06 | 2.00E-05 | 3.24E-06 | 3.24E-06 | 4.72E-06 | 4.90E-06 | 2.92E-06 | 4.95E-06 | 2.22E-07 | 6.55E-07 | 7.93E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.83E-06 | 2.00E-05 | 3.24E-06 | 3.24E-06 | 4.72E-06 | 4.90E-06 | 2.92E-06 | 4.95E-06 | 2.22E-07 | 6.55E-07 | 2.71E-04 |
| LUNGS | G | 4.33E-07 | 1.15E-05 | 4.63E-06 | 4.63E-06 | 5.71E-06 | 4.66E-06 | 3.10E-06 | 1.04E-05 | 6.37E-08 | 4.74E-06 | 6.94E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 4.33E-07 | 1.15E-05 | 4.63E-06 | 4.63E-06 | 5.71E-06 | 4.66E-06 | 3.10E-06 | 1.04E-05 | 6.37E-08 | 4.74E-06 | 2.70E-04 |
| RESP LYM NODE | G | 4.33E-07 | 1.15E-05 | 4.63E-06 | 4.63E-06 | 5.71E-06 | 4.66E-06 | 3.10E-06 | 1.04E-05 | 6.37E-08 | 4.74E-06 | 6.94E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 4.33E-07 | 1.15E-05 | 4.63E-06 | 4.63E-06 | 5.71E-06 | 4.66E-06 | 3.10E-06 | 1.04E-05 | 6.37E-08 | 4.74E-06 | 2.70E-04 |
| MUSCLE* | G | 9.34E-06 | 8.43E-06 | 5.08E-06 | 5.08E-06 | 6.03E-06 | 4.62E-06 | 3.96E-06 | 6.88E-06 | 5.66E-06 | 6.33E-06 | 6.59E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 9.34E-06 | 8.43E-06 | 5.08E-06 | 5.08E-06 | 6.03E-06 | 4.62E-06 | 3.96E-06 | 6.88E-06 | 5.66E-06 | 6.33E-06 | 2.70E-04 |
| OVARIES | G | 3.47E-03 | 1.68E-06 | 4.13E-06 | 4.13E-06 | 1.35E-05 | 5.43E-06 | 1.93E-06 | 3.75E-06 | 4.22E-49 | 6.18E-08 | 8.31E-06 |
| | B | 1.67E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 1.68E 00 | 1.68E-06 | 4.13E-06 | 4.13E-06 | 1.35E-05 | 5.43E-06 | 1.93E-06 | 3.75E-06 | 4.22E-49 | 6.18E-08 | 2.71E-04 |

47-SILVER-111 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.50E-06 | 9.62E-04 | 4.74E-06 | 4.74E-06 | 7.81E-06 | 6.22E-06 | 2.74E-06 | 8.94E-05 | 2.82E-07 | 4.28E-07 | 9.21E-06 |
| | B | 0.0 | 1.84E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.50E-06 | 1.85E-01 | 4.74E-06 | 4.74E-06 | 7.81E-06 | 6.22E-06 | 2.74E-06 | 8.94E-05 | 2.82E-07 | 4.28E-07 | 2.72E-04 |
| SKELETON BONE | G | 4.99E-06 | 4.85E-06 | 1.69E-05 | 1.69E-05 | 1.13E-05 | 1.23E-05 | 4.00E-06 | 3.99E-06 | 3.39E-06 | 3.77E-06 | 7.40E-06 |
| | B | 0.0 | 0.0 | 3.68E-03 | 2.28E-03 | 9.36E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 4.99E-06 | 4.85E-06 | 3.70E-03 | 2.30E-03 | 9.47E-04 | 1.23E-05 | 4.00E-06 | 3.99E-06 | 3.39E-06 | 3.77E-06 | 2.71E-04 |
| R MARROW | G | 1.69E-05 | 9.26E-06 | 1.51E-05 | 1.51E-05 | 3.61E-05 | 1.28E-05 | 3.77E-06 | 6.06E-06 | 2.75E-06 | 4.15E-06 | 8.31E-06 |
| | B | 0.0 | 0.0 | 1.19E-04 | 4.68E-03 | 8.84E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 1.69E-05 | 9.26E-06 | 1.35E-04 | 4.69E-03 | 8.88E-03 | 1.28E-05 | 3.77E-06 | 6.06E-06 | 2.75E-06 | 4.15E-06 | 2.71E-04 |
| Y MARROW | G | 6.67E-06 | 5.68E-06 | 1.45E-05 | 1.45E-05 | 1.39E-05 | 2.10E-05 | 4.20E-06 | 5.93E-06 | 1.38E-06 | 1.98E-06 | 6.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 6.67E-06 | 5.68E-06 | 1.45E-05 | 1.45E-05 | 1.39E-05 | 1.23E-02 | 4.20E-06 | 5.93E-06 | 1.38E-06 | 1.98E-06 | 2.70E-04 |
| T E CL | G | 4.99E-06 | 4.85E-06 | 1.69E-05 | 1.69E-05 | 1.52E-05 | 1.36E-05 | 4.00E-06 | 3.99E-06 | 3.39E-06 | 3.77E-06 | 7.40E-06 |
| | B | 0.0 | 0.0 | 2.37E-03 | 4.05E-03 | 3.44E-03 | 3.07E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 4.99E-06 | 4.85E-06 | 2.38E-03 | 4.07E-03 | 3.45E-03 | 3.08E-03 | 4.00E-06 | 3.99E-06 | 3.39E-06 | 3.77E-06 | 2.71E-04 |
| SKIN | G | 2.31E-06 | 2.23E-06 | 3.77E-06 | 3.77E-06 | 3.36E-06 | 4.19E-06 | 8.80E-06 | 2.67E-06 | 7.15E-06 | 3.93E-06 | 3.97E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.09E-03 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.31E-06 | 2.23E-06 | 3.77E-06 | 3.77E-06 | 3.36E-06 | 4.19E-06 | 7.09E-03 | 2.67E-06 | 7.15E-06 | 3.93E-06 | 2.67E-04 |
| SPLEEN | G | 2.93E-06 | 8.95E-05 | 3.50E-06 | 3.50E-06 | 4.12E-06 | 4.84E-06 | 2.92E-06 | 5.98E-04 | 3.38E-07 | 5.96E-07 | 8.36E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-01 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.93E-06 | 8.95E-05 | 3.50E-06 | 3.50E-06 | 4.12E-06 | 4.84E-06 | 2.92E-06 | 1.03E-01 | 3.38E-07 | 5.96E-07 | 2.72E-04 |
| TESTES | G | 4.22E-49 | 3.37E-07 | 2.85E-06 | 2.85E-06 | 1.72E-06 | 4.87E-06 | 4.54E-06 | 3.85E-07 | 1.63E-03 | 1.03E-08 | 6.85E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.26E-01 | 0.0 | 2.63E-04 |
| | T | 4.22E-49 | 3.37E-07 | 2.85E-06 | 2.85E-06 | 1.72E-06 | 4.87E-06 | 4.54E-06 | 3.85E-07 | 5.28E-01 | 1.03E-08 | 2.70E-04 |
| THYMUS | G | 2.35E-07 | 3.32E-06 | 2.86E-06 | 2.86E-06 | 2.91E-06 | 2.69E-06 | 3.65E-06 | 2.01E-06 | 3.65E-08 | 2.04E-05 | 9.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.35E-07 | 3.32E-06 | 2.86E-06 | 2.86E-06 | 2.91E-06 | 2.69E-06 | 3.65E-06 | 2.01E-06 | 3.65E-08 | 2.04E-05 | 2.72E-04 |
| THYROID | G | 6.18E-08 | 7.89E-07 | 4.74E-06 | 4.74E-06 | 3.83E-06 | 4.07E-06 | 3.77E-06 | 6.21E-07 | 1.03E-08 | 2.18E-03 | 6.26E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.21E-01 | 2.63E-04 |
| | T | 6.18E-08 | 7.89E-07 | 4.74E-06 | 4.74E-06 | 3.83E-06 | 4.07E-06 | 3.77E-06 | 6.21E-07 | 1.03E-08 | 9.23E-01 | 2.69E-04 |
| UTERUS | G | 9.24E-05 | 3.02E-06 | 2.88E-06 | 2.88E-06 | 1.00E-05 | 3.06E-06 | 2.25E-06 | 2.04E-06 | 4.22E-49 | 5.83E-08 | 9.20E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 9.24E-05 | 3.02E-06 | 2.88E-06 | 2.88E-06 | 1.00E-05 | 3.06E-06 | 2.25E-06 | 2.04E-06 | 4.22E-49 | 5.83E-08 | 2.72E-04 |
| T BODY | G | 9.47E-06 | 9.26E-06 | 6.71E-06 | 6.71E-06 | 7.47E-06 | 5.90E-06 | 4.02E-06 | 7.93E-06 | 6.56E-06 | 6.02E-06 | 6.69E-06 |
| | B | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 |
| | T | 2.73E-04 | 2.72E-04 | 2.70E-04 | 2.70E-04 | 2.71E-04 | 2.69E-04 | 2.67E-04 | 2.71E-04 | 2.70E-04 | 2.69E-04 | 2.70E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH. ED.
DATE DECAY DATA REVIEWED-MARCH 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 48-CADMIUM-109 (TR=4.530E 02 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.31E-02 | 3.20E-10 | 7.67E-07 | 9.06E-08 | 2.50E-07 | 9.35E-09 | 6.56E-05 | 1.33E-05 | 2.89E-06 | 2.89E-06 | 9.15E-06 |
| | B | 2.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.42E-02 | 3.20E-10 | 7.67E-07 | 9.06E-08 | 2.50E-07 | 9.35E-09 | 6.56E-05 | 1.33E-05 | 2.89E-06 | 2.89E-06 | 9.15E-06 |
| BLAD WALL | G | 3.53E-10 | 1.02E-03 | 5.80E-09 | 1.30E-06 | 8.65E-07 | 8.96E-06 | 5.58E-09 | 2.74E-09 | 5.64E-11 | 5.64E-11 | 5.08E-06 |
| | B | 0.0 | 7.41E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.53E-10 | 1.76E-03 | 5.80E-09 | 1.30E-06 | 8.65E-07 | 8.96E-06 | 5.58E-09 | 2.74E-09 | 5.64E-11 | 5.64E-11 | 5.08E-06 |
| GI TRACT S WALL | G | 1.41E-06 | 6.74E-09 | 6.52E-04 | 7.57E-06 | 1.11E-05 | 1.52E-06 | 1.95E-06 | 1.28E-06 | 3.62E-06 | 3.62E-06 | 3.80E-06 |
| | B | 0.0 | 0.0 | 5.93E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.41E-06 | 6.74E-09 | 1.24E-03 | 7.57E-06 | 1.11E-05 | 1.52E-06 | 1.95E-06 | 1.28E-06 | 3.62E-06 | 3.62E-06 | 3.80E-06 |
| SI+CONT | G | 7.42E-08 | 1.15E-06 | 2.08E-06 | 3.98E-04 | 9.84E-05 | 5.10E-05 | 1.88E-06 | 1.04E-06 | 9.60E-09 | 9.60E-09 | 3.92E-06 |
| | B | 0.0 | 0.0 | 0.0 | 3.70E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.42E-08 | 1.15E-06 | 2.08E-06 | 7.69E-04 | 9.84E-05 | 5.10E-05 | 1.88E-06 | 1.04E-06 | 9.60E-09 | 9.60E-09 | 3.92E-06 |
| ULI WALL | G | 9.92E-08 | 6.82E-07 | 6.57E-06 | 2.83E-04 | 6.07E-04 | 2.43E-05 | 1.49E-06 | 2.73E-06 | 1.58E-08 | 1.58E-08 | 5.23E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 6.73E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.92E-08 | 6.82E-07 | 6.57E-06 | 2.83E-04 | 1.28E-03 | 2.43E-05 | 1.49E-06 | 2.73E-06 | 1.58E-08 | 1.58E-08 | 5.23E-06 |
| LLI WALL | G | 7.32E-09 | 1.16E-05 | 5.35E-07 | 5.20E-05 | 1.03E-05 | 8.07E-04 | 1.43E-07 | 5.45E-09 | 1.50E-09 | 1.50E-09 | 3.97E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.10E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.32E-09 | 1.16E-05 | 5.35E-07 | 5.20E-05 | 1.03E-05 | 1.90E-03 | 1.43E-07 | 5.45E-09 | 1.50E-09 | 1.50E-09 | 3.97E-06 |
| KIDNEYS | G | 6.21E-05 | 5.05E-09 | 1.92E-06 | 1.90E-06 | 1.38E-06 | 1.90E-07 | 1.42E-03 | 5.79E-06 | 2.88E-07 | 2.88E-07 | 6.02E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.56E-04 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.21E-05 | 5.05E-09 | 1.92E-06 | 1.90E-06 | 1.38E-06 | 1.90E-07 | 2.37E-03 | 5.79E-06. | 2.88E-07 | 2.88E-07 | 6.02E-06 |
| LIVER | G | 1.27E-05 | 4.21E-09 | 1.06E-06 | 1.70E-06 | 2.63E-06 | 6.67E-09 | 5.83E-06 | 3.15E-04 | 7.00E-06 | 7.00E-06 | 3.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-04 | 0.0 | 0.0 | 0.0 |
| | T | 1.27E-05 | 4.21E-09 | 1.06E-06 | 1.70E-06 | 2.63E-06 | 6.67E-09 | 5.83E-06 | 4.80E-04 | 7.00E-06 | 7.00E-06 | 3.16E-06 |
| LUNGS | G | 3.86E-06 | 1.57E-11 | 3.10E-06 | 1.29E-08 | 1.47E-08 | 5.98E-10 | 2.84E-07 | 8.76E-06 | 3.28E-04 | 3.28E-04 | 7.45E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.96E-04 | 2.96E-04 | 0.0 |
| | T | 3.86E-06 | 1.57E-11 | 3.10E-06 | 1.29E-08 | 1.47E-08 | 5.98E-10 | 2.84E-07 | 8.76E-06 | 6.24E-04 | 6.24E-04 | 7.45E-06 |
| RESP LYM NODE | G | 3.86E-06 | 1.57E-11 | 3.10E-06 | 1.29E-08 | 1.47E-08 | 5.98E-10 | 2.84E-07 | 8.76E-06 | 3.19E-04 | 3.28E-04 | 7.45E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.86E-06 | 1.98E-02 | 0.0 |
| | T | 3.86E-06 | 1.57E-11 | 3.10E-06 | 1.29E-08 | 1.47E-08 | 5.98E-10 | 2.84E-07 | 8.76E-06 | 3.25E-04 | 2.01E-02 | 7.45E-06 |
| MUSCLE* | G | 9.15E-06 | 5.08E-06 | 3.80E-06 | 3.92E-06 | 3.24E-06 | 3.97E-06 | 6.02E-06 | 3.16E-06 | 7.45E-06 | 7.45E-06 | 1.13E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-05 |
| | T | 9.15E-06 | 5.08E-06 | 3.80E-06 | 3.92E-06 | 3.24E-06 | 3.97E-06 | 6.02E-06 | 3.16E-06 | 7.45E-06 | 7.45E-06 | 2.18E-05 |
| OVARIES | G | 5.01E-09 | 6.63E-06 | 5.98E-08 | 3.81E-05 | 4.56E-05 | 1.28E-04 | 9.97E-08 | 3.38E-08 | 6.43E-10 | 6.43E-10 | 9.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.01E-09 | 6.63E-06 | 5.98E-08 | 3.81E-05 | 4.56E-05 | 1.28E-04 | 9.97E-08 | 3.38E-08 | 6.43E-10 | 6.43E-10 | 9.32E-06 |

48-CADMIUM-109 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.22E-05 | 1.34E-09 | 6.83E-05 | 5.27E-07 | 5.84E-07 | 1.17E-07 | 7.54E-06 | 5.11E-06 | 2.21E-06 | 2.21E-06 | 8.40E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.22E-05 | 1.34E-09 | 6.83E-05 | 5.27E-07 | 5.84E-07 | 1.17E-07 | 7.54E-06 | 5.11E-06 | 2.21E-06 | 2.21E-06 | 8.40E-06 |
| SKELETON BONE | G | 5.80E-06 | 2.47E-07 | 9.85E-07 | 2.09E-06 | 1.78E-06 | 5.92E-06 | 2.79E-06 | 2.38E-06 | 4.15E-06 | 4.15E-06 | 1.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.80E-06 | 2.47E-07 | 9.85E-07 | 2.09E-06 | 1.78E-06 | 5.92E-06 | 2.79E-06 | 2.38E-06 | 4.15E-06 | 4.15E-06 | 1.56E-06 |
| R MARROW | G | 8.84E-06 | 8.29E-07 | 1.13E-06 | 8.48E-06 | 7.23E-06 | 2.43E-05 | 7.38E-06 | 2.29E-06 | 4.73E-06 | 4.73E-06 | 8.24E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.84E-06 | 8.29E-07 | 1.13E-06 | 8.48E-06 | 7.23E-06 | 2.43E-05 | 7.38E-06 | 2.29E-06 | 4.73E-06 | 4.73E-06 | 8.24E-06 |
| Y MARROW | G | 5.41E-06 | 2.84E-07 | 1.39E-06 | 2.91E-06 | 2.53E-06 | 8.17E-06 | 3.33E-06 | 3.73E-06 | 5.04E-06 | 5.04E-06 | 7.14E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.41E-06 | 2.84E-07 | 1.39E-06 | 2.91E-06 | 2.53E-06 | 8.17E-06 | 3.33E-06 | 3.73E-06 | 5.04E-06 | 5.04E-06 | 7.14E-06 |
| T E CL | G | 5.80E-06 | 2.47E-07 | 9.85E-07 | 2.09E-06 | 1.78E-06 | 5.92E-06 | 2.79E-06 | 2.38E-06 | 4.15E-06 | 4.15E-06 | 1.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.80E-06 | 2.47E-07 | 9.85E-07 | 2.09E-06 | 1.78E-06 | 5.92E-06 | 2.79E-06 | 2.38E-06 | 4.15E-06 | 4.15E-06 | 1.56E-06 |
| SKIN | G | 8.80E-07 | 5.63E-07 | 5.19E-07 | 2.18E-07 | 2.53E-07 | 5.05E-07 | 1.17E-06 | 6.09E-07 | 7.65E-07 | 7.65E-07 | 4.80E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.80E-07 | 5.63E-07 | 5.19E-07 | 2.18E-07 | 2.53E-07 | 5.05E-07 | 1.17E-06 | 6.09E-07 | 7.65E-07 | 7.65E-07 | 4.80E-06 |
| SPLEEN | G | 1.08E-05 | 9.80E-10 | 1.67E-05 | 5.82E-07 | 3.52E-07 | 1.22E-07 | 3.44E-05 | 1.68E-07 | 5.29E-06 | 5.29E-06 | 5.81E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.08E-05 | 9.80E-10 | 1.67E-05 | 5.82E-07 | 3.52E-07 | 1.22E-07 | 3.44E-05 | 1.68E-07 | 5.29E-06 | 5.29E-06 | 5.81E-06 |
| TESTES | G | 5.75E-12 | 3.95E-06 | 1.07E-10 | 9.86E-09 | 9.89E-09 | 1.03E-06 | 8.89E-11 | 5.69E-11 | 1.14E-12 | 1.14E-12 | 2.69E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.75E-12 | 3.95E-06 | 1.07E-10 | 9.86E-09 | 9.89E-09 | 1.03E-06 | 8.89E-11 | 5.69E-11 | 1.14E-12 | 1.14E-12 | 2.69E-06 |
| THYMUS | G | 1.18E-08 | 4.21E-13 | 7.01E-09 | 8.23E-11 | 1.11E-10 | 9.14E-12 | 1.27E-09 | 2.47E-08 | 5.56E-06 | 5.56E-06 | 1.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-08 | 4.21E-13 | 7.01E-09 | 8.23E-11 | 1.11E-10 | 9.14E-12 | 1.27E-09 | 2.47E-08 | 5.56E-06 | 5.56E-06 | 1.75E-05 |
| THYROID | G | 1.86E-10 | 5.87E-15 | 1.17E-10 | 1.06E-12 | 1.41E-12 | 1.49E-13 | 1.91E-11 | 2.48E-10 | 1.79E-07 | 1.79E-07 | 9.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.86E-10 | 5.87E-15 | 1.17E-10 | 1.06E-12 | 1.41E-12 | 1.49E-13 | 1.91E-11 | 2.48E-10 | 1.79E-07 | 1.79E-07 | 9.18E-06 |
| UTERUS | G | 3.31E-09 | 4.68E-05 | 3.92E-08 | 2.25E-05 | 3.55E-06 | 5.94E-06 | 6.71E-08 | 1.73E-08 | 4.26E-10 | 4.26E-10 | 1.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.31E-09 | 4.68E-05 | 3.92E-08 | 2.25E-05 | 3.55E-06 | 5.94E-06 | 6.71E-08 | 1.73E-08 | 4.26E-10 | 4.26E-10 | 1.32E-05 |
| T BODY | G | 1.08E-05 | 1.10E-05 | 1.10E-05 | 1.11E-05 | 1.11E-05 | 1.11E-05 | 1.07E-05 | 1.09E-05 | 1.08E-05 | 1.08E-05 | 9.33E-06 |
| | B | 4.23E-06 | 4.76E-07 | 1.27E-06 | 3.39E-06 | 2.02E-06 | 2.51E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 |
| | T | 1.50E-05 | 1.14E-05 | 1.22E-05 | 1.45E-05 | 1.31E-05 | 1.36E-05 | 1.49E-05 | 1.52E-05 | 1.51E-05 | 1.51E-05 | 1.36E-05 |

CONTINUED NEXT PAGE

48-CADMIUM-109 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 5.01E-09 | 1.09E-05 | 3.02E-06 | 3.02E-06 | 5.24E-06 | 1.56E-06 | 1.27E-06 | 1.24E-05 | 5.75E-12 | 1.86E-10 | 7.13E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 5.01E-09 | 1.09E-05 | 3.02E-06 | 3.02E-06 | 5.24E-06 | 1.56E-06 | 1.27E-06 | 1.24E-05 | 5.75E-12 | 1.86E-10 | 1.14E-05 |
| BLAD WALL | G | 7.38E-06 | 1.45E-09 | 7.21E-08 | 7.21E-08 | 3.69E-07 | 1.54E-07 | 6.37E-07 | 1.10E-09 | 4.86E-06 | 6.46E-15 | 1.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 7.38E-06 | 1.45E-09 | 7.21E-08 | 7.21E-08 | 3.69E-07 | 1.54E-07 | 6.37E-07 | 1.10E-09 | 4.86E-06 | 6.46E-15 | 1.71E-05 |
| GI TRACT S WALL | G | 1.08E-07 | 9.48E-05 | 3.84E-07 | 3.84E-07 | 4.27E-07 | 6.96E-07 | 7.27E-07 | 1.86E-05 | 1.37E-10 | 1.49E-10 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 1.08E-07 | 9.48E-05 | 3.84E-07 | 3.84E-07 | 4.27E-07 | 6.96E-07 | 7.27E-07 | 1.86E-05 | 1.37E-10 | 1.49E-10 | 1.51E-05 |
| SI+CONT | G | 5.30E-05 | 4.06E-07 | 6.33E-07 | 6.33E-07 | 2.76E-06 | 9.46E-07 | 2.51E-07 | 3.59E-07 | 9.58E-09 | 1.08E-12 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 5.30E-05 | 4.06E-07 | 6.33E-07 | 6.33E-07 | 2.76E-06 | 9.46E-07 | 2.51E-07 | 3.59E-07 | 9.58E-09 | 1.08E-12 | 1.51E-05 |
| ULI WALL | G | 8.27E-05 | 6.08E-07 | 6.51E-07 | 6.51E-07 | 2.59E-06 | 8.03E-07 | 3.87E-07 | 4.85E-07 | 9.82E-09 | 1.45E-12 | 1.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 8.27E-05 | 6.08E-07 | 6.51E-07 | 6.51E-07 | 2.59E-06 | 8.03E-07 | 3.87E-07 | 4.85E-07 | 9.82E-09 | 1.45E-12 | 1.49E-05 |
| LLI WALL | G | 1.13E-04 | 6.37E-08 | 1.76E-06 | 1.76E-06 | 6.53E-06 | 1.52E-06 | 2.51E-07 | 9.67E-08 | 1.86E-06 | 1.16E-13 | 1.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 1.13E-04 | 6.37E-08 | 1.76E-06 | 1.76E-06 | 6.53E-06 | 1.52E-06 | 2.51E-07 | 9.67E-08 | 1.86E-06 | 1.16E-13 | 1.48E-05 |
| KIDNEYS | G | 1.13E-07 | 6.98E-06 | 7.17E-07 | 7.17E-07 | 1.84E-06 | 1.06E-06 | 1.25E-06 | 3.44E-05 | 8.89E-11 | 1.91E-11 | 9.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 1.13E-07 | 6.98E-06 | 7.17E-07 | 7.17E-07 | 1.84E-06 | 1.06E-06 | 1.25E-06 | 3.44E-05 | 8.89E-11 | 1.91E-11 | 1.39E-05 |
| LIVER | G | 5.00E-08 | 5.42E-06 | 6.16E-07 | 6.16E-07 | 6.47E-07 | 1.15E-06 | 6.42E-07 | 1.25E-07 | 5.62E-11 | 2.45E-10 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 5.00E-08 | 5.42E-06 | 6.16E-07 | 6.16E-07 | 6.47E-07 | 1.15E-06 | 6.42E-07 | 1.25E-07 | 5.62E-11 | 2.45E-10 | 1.50E-05 |
| LUNGS | G | 1.90E-10 | 2.48E-06 | 1.25E-06 | 1.25E-06 | 1.46E-06 | 1.61E-06 | 9.46E-07 | 5.40E-06 | 3.38E-13 | 2.71E-07 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 1.90E-10 | 2.48E-06 | 1.25E-06 | 1.25E-06 | 1.46E-06 | 1.61E-06 | 9.46E-07 | 5.40E-06 | 3.38E-13 | 2.71E-07 | 1.52E-05 |
| RESP LYM NODE | G | 1.90E-10 | 2.48E-06 | 1.25E-06 | 1.25E-06 | 1.46E-06 | 1.61E-06 | 9.46E-07 | 5.40E-06 | 3.38E-13 | 2.71E-07 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 1.90E-10 | 2.48E-06 | 1.25E-06 | 1.25E-06 | 1.46E-06 | 1.61E-06 | 9.46E-07 | 5.40E-06 | 3.38E-13 | 2.71E-07 | 1.52E-05 |
| MUSCLE* | G | 9.32E-06 | 8.40E-06 | 1.56E-06 | 1.56E-06 | 2.05E-06 | 2.00E-06 | 4.80E-06 | 5.81E-06 | 2.69E-06 | 9.18E-06 | 9.33E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 9.32E-06 | 8.40E-06 | 1.56E-06 | 1.56E-06 | 2.05E-06 | 2.00E-06 | 4.80E-06 | 5.81E-06 | 2.69E-06 | 9.18E-06 | 1.36E-05 |
| OVARIES | G | 2.25E-02 | 1.64E-08 | 1.31E-06 | 1.31E-06 | 3.07E-06 | 8.75E-07 | 1.69E-07 | 1.81E-08 | 1.49E-46 | 5.12E-14 | 1.08E-05 |
| | B | 2.69E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 4.94E-02 | 1.64E-08 | 1.31E-06 | 1.31E-06 | 3.07E-06 | 8.75E-07 | 1.69E-07 | 1.81E-08 | 1.49E-46 | 5.12E-14 | 1.51E-05 |

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.63E-08 | 4.93E-03 | 7.33E-07 | 7.33E-07 | 5.12E-07 | 4.24E-07 | 2.02E-07 | 1.10E-04 | 2.40E-11 | 1.60E-10 | 1.23E-05 |
| | B | 0.0 | 2.96E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 1.63E-08 | 7.89E-03 | 7.33E-07 | 7.33E-07 | 5.12E-07 | 4.24E-07 | 2.02E-07 | 1.10E-04 | 2.40E-11 | 1.60E-10 | 1.65E-05 |
| SKELETON BONE | G | 2.41E-06 | 1.47E-06 | 6.33E-05 | 6.33E-05 | 4.00E-05 | 5.18E-05 | 5.56E-06 | 2.16E-06 | 2.50E-07 | 7.74E-07 | 1.47E-05 |
| | B | 0.0 | 0.0 | 5.93E-05 | 5.82E-05 | 6.99E-07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 2.41E-06 | 1.47E-06 | 1.23E-04 | 1.21E-04 | 4.07E-05 | 5.18E-05 | 5.56E-06 | 2.16E-06 | 2.50E-07 | 7.74E-07 | 1.89E-05 |
| R MARROW | G | 1.01E-05 | 2.71E-06 | 6.09E-05 | 6.09E-05 | 1.67E-04 | 5.32E-05 | 5.04E-06 | 2.24E-06 | 1.36E-07 | 7.41E-07 | 1.60E-05 |
| | B | 0.0 | 0.0 | 2.74E-08 | 3.50E-06 | 1.95E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 1.01E-05 | 2.71E-06 | 6.09E-05 | 6.44E-05 | 3.62E-04 | 5.32E-05 | 5.04E-06 | 2.24E-06 | 1.36E-07 | 7.41E-07 | 2.03E-05 |
| Y MARROW | G | 3.39E-06 | 1.48E-06 | 6.13E-05 | 6.13E-05 | 5.87E-05 | 1.07E-04 | 6.91E-06 | 3.19E-06 | 5.28E-08 | 3.97E-07 | 1.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 3.39E-06 | 1.48E-06 | 6.13E-05 | 6.13E-05 | 5.87E-05 | 3.04E-04 | 6.91E-06 | 3.19E-06 | 5.28E-08 | 3.97E-07 | 1.93E-05 |
| T E CL | G | 2.41E-06 | 1.47E-06 | 6.24E-05 | 6.24E-05 | 6.31E-05 | 6.22E-05 | 5.56E-06 | 2.16E-06 | 2.50E-07 | 7.74E-07 | 1.47E-05 |
| | B | 0.0 | 0.0 | 5.82E-06 | 1.22E-05 | 9.07E-05 | 4.94E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 2.41E-06 | 1.47E-06 | 6.82E-05 | 7.45E-05 | 1.54E-04 | 1.12E-04 | 5.56E-06 | 2.16E-06 | 2.50E-07 | 7.74E-07 | 1.89E-05 |
| SKIN | G | 1.14E-07 | 1.22E-07 | 1.52E-06 | 1.52E-06 | 1.24E-06 | 2.07E-06 | 4.06E-05 | 4.93E-07 | 1.16E-05 | 2.96E-06 | 5.62E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 1.14E-07 | 1.22E-07 | 1.52E-06 | 1.52E-06 | 1.24E-06 | 2.07E-06 | 1.55E-04 | 4.93E-07 | 1.16E-05 | 2.96E-06 | 9.86E-06 |
| SPLEEN | G | 1.97E-08 | 1.11E-04 | 1.15E-06 | 1.15E-06 | 4.86E-07 | 7.27E-07 | 5.13E-07 | 2.50E-03 | 2.02E-11 | 8.80E-11 | 1.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-03 | 0.0 | 0.0 | 4.23E-06 |
| | T | 1.97E-08 | 1.11E-04 | 1.15E-06 | 1.15E-06 | 4.86E-07 | 7.27E-07 | 5.13E-07 | 4.15E-03 | 2.02E-11 | 8.80E-11 | 1.47E-05 |
| TESTES | G | 1.49E-46 | 2.41E-11 | 1.83E-07 | 1.83E-07 | 7.20E-08 | 2.59E-07 | 6.83E-06 | 2.00E-11 | 8.48E-03 | 1.50E-16 | 7.36E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.47E-03 | 0.0 | 4.23E-06 |
| | T | 1.49E-46 | 2.41E-11 | 1.83E-07 | 1.83E-07 | 7.20E-08 | 2.59E-07 | 6.83E-06 | 2.00E-11 | 1.69E-02 | 1.50E-16 | 1.16E-05 |
| THYMUS | G | 3.76E-12 | 1.18E-08 | 4.82E-07 | 4.82E-07 | 6.09E-07 | 9.11E-07 | 6.31E-07 | 3.76E-09 | 1.03E-14 | 2.47E-06 | 1.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 3.76E-12 | 1.18E-08 | 4.82E-07 | 4.82E-07 | 6.09E-07 | 9.11E-07 | 6.31E-07 | 3.76E-09 | 1.03E-14 | 2.47E-06 | 1.82E-05 |
| THYROID | G | 5.14E-14 | 1.60E-10 | 5.48E-07 | 5.48E-07 | 3.13E-07 | 5.68E-07 | 2.51E-06 | 8.76E-11 | 1.50E-16 | 1.25E-02 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.48E-02 | 4.23E-06 |
| | T | 5.14E-14 | 1.60E-10 | 5.48E-07 | 5.48E-07 | 3.13E-07 | 5.68E-07 | 2.51E-06 | 8.76E-11 | 1.50E-16 | 2.73E-02 | 1.50E-05 |
| UTERUS | G | 5.88E-05 | 2.26E-08 | 2.80E-07 | 2.80E-07 | 7.42E-07 | 2.71E-07 | 1.92E-07 | 8.36E-09 | 1.49E-46 | 4.16E-14 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.23E-06 |
| | T | 5.88E-05 | 2.26E-08 | 2.80E-07 | 2.80E-07 | 7.42E-07 | 2.71E-07 | 1.92E-07 | 8.36E-09 | 1.49E-46 | 4.16E-14 | 1.51E-05 |
| T BODY | G | 1.12E-05 | 1.12E-05 | 1.08E-05 | 1.08E-05 | 1.08E-05 | 1.06E-05 | 5.87E-06 | 1.10E-05 | 9.44E-06 | 1.01E-05 | 1.01E-05 |
| | B | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 | 4.23E-06 |
| | T | 1.54E-05 | 1.54E-05 | 1.50E-05 | 1.50E-05 | 1.50E-05 | 1.48E-05 | 1.01E-05 | 1.52E-05 | 1.37E-05 | 1.43E-05 | 1.43E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-FOIN, C. ET AL., NUCL. PHYS. A113, 241 (1968)
DATE DECAY DATA REVIEWED-MARCH 1969

S, AVERAGE DOSE EQUIVALENT (REM) PER 1 UCI-DAY DATE OF TABLE 04-10-75
OF 48-CADMIUM-109 (TR=4.530E 02 DAYS) AND 1 UCI-DAY OF 47-SILVER-109M (TR=4.000E 01 SEC)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.05E-02 | 7.06E-08 | 3.15E-06 | 5.96E-07 | 9.77E-07 | 1.89E-07 | 1.09E-04 | 2.32E-05 | 6.28E-06 | 6.28E-06 | 1.50E-05 |
| | B | 3.01E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.21E-01 | 7.06E-08 | 3.15E-06 | 5.96E-07 | 9.77E-07 | 1.89E-07 | 1.09E-04 | 2.32E-05 | 6.28E-06 | 6.28E-06 | 1.50E-05 |
| BLAD WALL | G | 7.77E-08 | 1.61E-03 | 1.82E-07 | 3.72E-06 | 2.77E-06 | 1.87E-05 | 1.55E-07 | 9.18E-08 | 1.57E-08 | 1.57E-08 | 9.01E-06 |
| | B | 0.0 | 1.05E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.77E-08 | 1.21E-02 | 1.82E-07 | 3.72E-06 | 2.77E-06 | 1.87E-05 | 1.55E-07 | 9.18E-08 | 1.57E-08 | 1.57E-08 | 9.01E-06 |
| GI TRACT S WALL | G | 4.10E-06 | 1.64E-07 | 1.03E-03 | 1.41E-05 | 1.97E-05 | 3.55E-06 | 5.51E-06 | 3.23E-06 | 6.84E-06 | 6.84E-06 | 6.70E-06 |
| | B | 0.0 | 0.0 | 8.42E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.10E-06 | 1.64E-07 | 9.45E-03 | 1.41E-05 | 1.97E-05 | 3.55E-06 | 5.51E-06 | 3.23E-06 | 6.84E-06 | 6.84E-06 | 6.70E-06 |
| SI+CONT | G | 6.13E-07 | 3.83E-06 | 5.07E-06 | 6.31E-04 | 1.63E-04 | 8.49E-05 | 4.85E-06 | 2.67E-06 | 1.21E-07 | 1.21E-07 | 7.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 5.26E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.13E-07 | 3.83E-06 | 5.07E-06 | 5.89E-03 | 1.63E-04 | 8.49E-05 | 4.85E-06 | 2.67E-06 | 1.21E-07 | 1.21E-07 | 7.06E-06 |
| ULI WALL | G | 7.39E-07 | 2.46E-06 | 1.26E-05 | 4.50E-04 | 9.58E-04 | 4.02E-05 | 4.21E-06 | 5.95E-06 | 1.53E-07 | 1.53E-07 | 9.11E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 9.56E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.39E-07 | 2.46E-06 | 1.26E-05 | 4.50E-04 | 1.05E-02 | 4.02E-05 | 4.21E-06 | 5.95E-06 | 1.53E-07 | 1.53E-07 | 9.11E-06 |
| LLI WALL | G | 1.35E-07 | 2.34E-05 | 1.58E-06 | 8.49E-05 | 1.80E-05 | 1.27E-03 | 6.13E-07 | 1.35E-07 | 2.86E-08 | 2.86E-08 | 7.24E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.56E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-07 | 2.34E-05 | 1.58E-06 | 8.49E-05 | 1.80E-05 | 1.69E-02 | 6.13E-07 | 1.35E-07 | 2.86E-08 | 2.86E-08 | 7.24E-06 |
| KIDNEYS | G | 1.03E-04 | 1.53E-07 | 5.36E-06 | 5.10E-06 | 4.09E-06 | 7.98E-07 | 2.23E-03 | 1.17E-05 | 9.79E-07 | 9.79E-07 | 1.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-04 | 1.53E-07 | 5.36E-06 | 5.10E-06 | 4.09E-06 | 7.98E-07 | 1.58E-02 | 1.17E-05 | 9.79E-07 | 9.79E-07 | 1.01E-05 |
| LIVER | G | 2.30E-05 | 8.90E-08 | 3.00E-06 | 3.84E-06 | 5.78E-06 | 1.44E-07 | 1.17E-05 | 5.03E-04 | 1.24E-05 | 1.24E-05 | 5.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.34E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.30E-05 | 8.90E-08 | 3.00E-06 | 3.84E-06 | 5.78E-06 | 1.44E-07 | 1.17E-05 | 2.84E-03 | 1.24E-05 | 1.24E-05 | 5.56E-06 |
| LUNGS | G | 7.61E-06 | 1.20E-08 | 6.02E-06 | 1.41E-07 | 1.76E-07 | 4.26E-08 | 1.00E-06 | 1.52E-05 | 5.16E-04 | 5.16E-04 | 1.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.21E-03 | 4.21E-03 | 0.0 |
| | T | 7.61E-06 | 1.20E-08 | 6.02E-06 | 1.41E-07 | 1.76E-07 | 4.26E-08 | 1.00E-06 | 1.52E-05 | 4.72E-03 | 4.72E-03 | 1.23E-05 |
| RESP LYM NODE | G | 7.61E-06 | 1.20E-08 | 6.02E-06 | 1.41E-07 | 1.76E-07 | 4.26E-08 | 1.00E-06 | 1.52E-05 | 4.98E-04 | 5.16E-04 | 1.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.70E-03 | 2.81E-01 | 0.0 |
| | T | 7.61E-06 | 1.20E-08 | 6.02E-06 | 1.41E-07 | 1.76E-07 | 4.26E-08 | 1.00E-06 | 1.52E-05 | 4.20E-03 | 2.81E-01 | 1.23E-05 |
| MUSCLE* | G | 1.50E-05 | 9.01E-06 | 6.79E-06 | 7.06E-06 | 5.99E-06 | 7.24E-06 | 1.01E-05 | 5.56E-06 | 1.23E-05 | 1.23E-05 | 1.82E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.50E-04 |
| | T | 1.50E-05 | 9.01E-06 | 6.79E-06 | 7.06E-06 | 5.99E-06 | 7.24E-06 | 1.01E-05 | 5.56E-06 | 1.23E-05 | 1.23E-05 | 1.69E-04 |
| OVARIES | G | 3.54E-07 | 1.52E-05 | 4.62E-07 | 6.64E-05 | 7.79E-05 | 2.09E-04 | 8.34E-07 | 3.22E-07 | 4.92E-08 | 4.92E-08 | 1.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.54E-07 | 1.52E-05 | 4.62E-07 | 6.64E-05 | 7.79E-05 | 2.09E-04 | 8.34E-07 | 3.22E-07 | 4.92E-08 | 4.92E-08 | 1.56E-05 |

48-CADMIUM-109 AND 47-SILVER-109M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 2.53E-05 | 1.07E-07 | 1.18E-04 | 2.17E-06 | 2.38E-06 | 6.41E-07 | 1.62E-05 | 1.10E-05 | 5.23E-06 | 5.23E-06 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.53E-05 | 1.07E-07 | 1.18E-04 | 2.17E-06 | 2.38E-06 | 6.41E-07 | 1.62E-05 | 1.10E-05 | 5.23E-06 | 5.23E-06 | 1.41E-05 |
| SKELETON BONE | G | 1.07E-05 | 1.08E-06 | 2.24E-06 | 4.25E-06 | 3.67E-06 | 1.05E-05 | 5.51E-06 | 4.58E-06 | 7.68E-06 | 7.68E-06 | 3.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.07E-05 | 1.08E-06 | 2.24E-06 | 4.25E-06 | 3.67E-06 | 1.05E-05 | 5.51E-06 | 4.58E-06 | 7.68E-06 | 7.68E-06 | 3.01E-06 |
| R MARROW | G | 1.67E-05 | 3.05E-06 | 2.99E-06 | 1.67E-05 | 1.43E-05 | 4.19E-05 | 1.46E-05 | 4.79E-06 | 8.90E-06 | 8.90E-06 | 1.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.67E-05 | 3.05E-06 | 2.99E-06 | 1.67E-05 | 1.43E-05 | 4.19E-05 | 1.46E-05 | 4.79E-06 | 8.90E-06 | 8.90E-06 | 1.44E-05 |
| Y MARROW | G | 9.95E-06 | 1.12E-06 | 3.17E-06 | 5.93E-06 | 5.24E-06 | 1.43E-05 | 6.61E-06 | 7.15E-06 | 9.09E-06 | 9.09E-06 | 1.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.95E-06 | 1.12E-06 | 3.17E-06 | 5.93E-06 | 5.24E-06 | 1.43E-05 | 6.61E-06 | 7.15E-06 | 9.09E-06 | 9.09E-06 | 1.22E-05 |
| T E CL | G | 1.07E-05 | 1.08E-06 | 2.24E-06 | 4.25E-06 | 3.67E-06 | 1.05E-05 | 5.51E-06 | 4.58E-06 | 7.68E-06 | 7.68E-06 | 3.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.07E-05 | 1.08E-06 | 2.24E-06 | 4.25E-06 | 3.67E-06 | 1.05E-05 | 5.51E-06 | 4.58E-06 | 7.68E-06 | 7.68E-06 | 3.01E-06 |
| SKIN | G | 1.67E-06 | 1.23E-06 | 1.09E-06 | 5.89E-07 | 6.50E-07 | 1.08E-06 | 2.13E-06 | 1.24E-06 | 1.51E-06 | 1.51E-06 | 7.82E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.67E-06 | 1.23E-06 | 1.09E-06 | 5.89E-07 | 6.50E-07 | 1.08E-06 | 2.13E-06 | 1.24E-06 | 1.51E-06 | 1.51E-06 | 7.82E-06 |
| SPLEEN | G | 2.10E-05 | 5.07E-07 | 3.30E-05 | 1.86E-06 | 1.53E-06 | 7.31E-07 | 5.90E-05 | 8.35E-07 | 9.70E-06 | 9.70E-06 | 9.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.10E-05 | 5.07E-07 | 3.30E-05 | 1.86E-06 | 1.53E-06 | 7.31E-07 | 5.90E-05 | 8.35E-07 | 9.70E-06 | 9.70E-06 | 9.89E-06 |
| TESTES | G | 1.19E-08 | 9.58E-06 | 2.28E-08 | 1.76E-07 | 1.56E-07 | 2.73E-06 | 3.78E-08 | 2.59E-08 | 2.68E-09 | 2.68E-09 | 4.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.19E-08 | 9.58E-06 | 2.28E-08 | 1.76E-07 | 1.56E-07 | 2.73E-06 | 3.78E-08 | 2.59E-08 | 2.68E-09 | 2.68E-09 | 4.88E-06 |
| THYMUS | G | 2.82E-07 | 3.52E-09 | 2.13E-07 | 3.45E-08 | 4.77E-08 | 1.02E-08 | 1.20E-07 | 4.28E-07 | 1.16E-05 | 1.16E-05 | 2.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.82E-07 | 3.52E-09 | 2.13E-07 | 3.45E-08 | 4.77E-08 | 1.02E-08 | 1.20E-07 | 4.28E-07 | 1.16E-05 | 1.16E-05 | 2.80E-05 |
| THYROID | G | 5.59E-08 | 5.27E-10 | 3.59E-08 | 5.09E-09 | 5.70E-09 | 1.65E-09 | 1.89E-08 | 5.29E-08 | 8.63E-07 | 8.63E-07 | 1.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.59E-08 | 5.27E-10 | 3.59E-08 | 5.09E-09 | 5.70E-09 | 1.65E-09 | 1.89E-08 | 5.29E-08 | 8.63E-07 | 8.63E-07 | 1.49E-05 |
| UTERUS | G | 1.24E-07 | 8.37E-05 | 4.91E-07 | 4.16E-05 | 9.49E-06 | 1.42E-05 | 6.04E-07 | 2.58E-07 | 4.43E-08 | 4.43E-08 | 2.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.24E-07 | 8.37E-05 | 4.91E-07 | 4.16E-05 | 9.49E-06 | 1.42E-05 | 6.04E-07 | 2.58E-07 | 4.43E-08 | 4.43E-08 | 2.19E-05 |
| T BODY | G | 1.78E-05 | 1.82E-05 | 1.81E-05 | 1.85E-05 | 1.84E-05 | 1.85E-05 | 1.76E-05 | 1.80E-05 | 1.77E-05 | 1.77E-05 | 1.52E-05 |
| | B | 6.01E-05 | 6.76E-06 | 1.80E-05 | 4.81E-05 | 2.87E-05 | 3.56E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 |
| | T | 7.79E-05 | 2.49E-05 | 3.61E-05 | 6.66E-05 | 4.71E-05 | 5.41E-05 | 7.77E-05 | 7.81E-05 | 7.78E-05 | 7.78E-05 | 7.54E-05 |

CONTINUED NEXT PAGE

48-CADMIUM-109 AND 47-SILVER-109M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.84E-07 | 2.34E-05 | 5.35E-06 | 5.35E-06 | 9.31E-06 | 2.99E-06 | 2.31E-06 | 2.35E-05 | 1.19E-08 | 5.59E-08 | 1.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 1.84E-07 | 2.34E-05 | 5.35E-06 | 5.35E-06 | 9.31E-06 | 2.99E-06 | 2.31E-06 | 2.35E-05 | 1.19E-08 | 5.59E-08 | 7.21E-05 |
| BLAD WALL | G | 1.66E-05 | 7.63E-08 | 4.45E-07 | 4.45E-07 | 1.28E-06 | 4.83E-07 | 1.28E-06 | 5.15E-08 | 1.09E-05 | 5.37E-10 | 2.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 1.66E-05 | 7.63E-08 | 4.45E-07 | 4.45E-07 | 1.28E-06 | 4.83E-07 | 1.28E-06 | 5.15E-08 | 1.09E-05 | 5.37E-10 | 8.11E-05 |
| GI TRACT S WALL | G | 6.80E-07 | 1.58E-04 | 9.28E-07 | 9.28E-07 | 1.21E-06 | 1.61E-06 | 1.48E-06 | 3.60E-05 | 1.38E-08 | 3.29E-08 | 1.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 6.80E-07 | 1.58E-04 | 9.28E-07 | 9.28E-07 | 1.21E-06 | 1.61E-06 | 1.48E-06 | 3.60E-05 | 1.38E-08 | 3.29E-08 | 7.79E-05 |
| SI+CONT | G | 9.02E-05 | 1.80E-06 | 1.46E-06 | 1.46E-06 | 5.96E-06 | 2.14E-06 | 6.71E-07 | 1.48E-06 | 2.09E-07 | 2.68E-09 | 1.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 9.02E-05 | 1.80E-06 | 1.46E-06 | 1.46E-06 | 5.96E-06 | 2.14E-06 | 6.71E-07 | 1.48E-06 | 2.09E-07 | 2.68E-09 | 7.82E-05 |
| ULI WALL | G | 1.34E-04 | 2.34E-06 | 1.43E-06 | 1.43E-06 | 5.35E-06 | 1.81E-06 | 9.07E-07 | 1.78E-06 | 1.79E-07 | 5.77E-09 | 1.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 1.34E-04 | 2.34E-06 | 1.43E-06 | 1.43E-06 | 5.35E-06 | 1.81E-06 | 9.07E-07 | 1.78E-06 | 1.79E-07 | 5.77E-09 | 7.78E-05 |
| LLI WALL | G | 1.84E-04 | 4.54E-07 | 3.37E-06 | 3.37E-06 | 1.20E-05 | 2.93E-06 | 6.87E-07 | 5.32E-07 | 4.73E-06 | 1.32E-09 | 1.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 1.84E-04 | 4.54E-07 | 3.37E-06 | 3.37E-06 | 1.20E-05 | 2.93E-06 | 6.87E-07 | 5.32E-07 | 4.73E-06 | 1.32E-09 | 7.77E-05 |
| KIDNEYS | G | 7.34E-07 | 1.54E-05 | 1.62E-06 | 1.62E-06 | 4.29E-06 | 2.31E-06 | 2.30E-06 | 5.93E-05 | 1.67E-08 | 1.63E-08 | 1.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 7.34E-07 | 1.54E-05 | 1.62E-06 | 1.62E-06 | 4.29E-06 | 2.31E-06 | 2.30E-06 | 5.93E-05 | 1.67E-08 | 1.63E-08 | 7.61E-05 |
| LIVER | G | 3.88E-07 | 1.15E-05 | 1.37E-06 | 1.37E-06 | 1.56E-06 | 2.42E-06 | 1.33E-06 | 7.98E-07 | 1.36E-08 | 4.75E-08 | 1.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 3.88E-07 | 1.15E-05 | 1.37E-06 | 1.37E-06 | 1.56E-06 | 2.42E-06 | 1.33E-06 | 7.98E-07 | 1.36E-08 | 4.75E-08 | 7.78E-05 |
| LUNGS | G | 3.03E-08 | 5.63E-06 | 2.56E-06 | 2.56E-06 | 3.01E-06 | 3.14E-06 | 1.84E-06 | 9.90E-06 | 1.64E-09 | 1.05E-06 | 1.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 3.03E-08 | 5.63E-06 | 2.56E-06 | 2.56E-06 | 3.01E-06 | 3.14E-06 | 1.84E-06 | 9.90E-06 | 1.64E-09 | 1.05E-06 | 7.79E-05 |
| RESP LYM NODE | G | 3.03E-08 | 5.63E-06 | 2.56E-06 | 2.56E-06 | 3.01E-06 | 3.14E-06 | 1.84E-06 | 9.90E-06 | 1.64E-09 | 1.05E-06 | 1.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 3.03E-08 | 5.63E-06 | 2.56E-06 | 2.56E-06 | 3.01E-06 | 3.14E-06 | 1.84E-06 | 9.90E-06 | 1.64E-09 | 1.05E-06 | 7.79E-05 |
| MUSCLE* | G | 1.56E-05 | 1.41E-05 | 3.01E-06 | 3.01E-06 | 3.90E-06 | 3.62E-06 | 7.82E-06 | 9.89E-06 | 4.88E-06 | 1.49E-05 | 1.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 1.56E-05 | 1.41E-05 | 3.01E-06 | 3.01E-06 | 3.90E-06 | 3.62E-06 | 7.82E-06 | 9.89E-06 | 4.88E-06 | 1.49E-05 | 7.54E-05 |
| OVARIES | G | 3.54E-02 | 3.11E-07 | 2.49E-06 | 2.49E-06 | 7.32E-06 | 2.33E-06 | 4.90E-07 | 2.22E-07 | 2.85E-46 | 1.43E-09 | 1.78E-05 |
| | B | 3.83E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 4.18E-01 | 3.11E-07 | 2.49E-06 | 2.49E-06 | 7.32E-06 | 2.33E-06 | 4.90E-07 | 2.22E-07 | 2.85E-46 | 1.43E-09 | 7.80E-05 |

48-CADMIUM-109 AND 47-SILVER-109M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.16E-07 | 7.74E-03 | 1.61E-06 | 1.61E-06 | 1.93E-06 | 1.30E-06 | 5.46E-07 | 1.83E-04 | 2.20E-08 | 2.81E-08 | 2.02E-05 |
| | B | 0.0 | 4.21E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 3.16E-07 | 4.98E-02 | 1.61E-06 | 1.61E-06 | 1.93E-06 | 1.30E-06 | 5.46E-07 | 1.83E-04 | 2.20E-08 | 2.81E-08 | 8.03E-05 |
| SKELETON BONE | G | 5.05E-06 | 3.48E-06 | 1.01E-04 | 1.01E-04 | 6.39E-05 | 8.23E-05 | 9.36E-06 | 4.29E-06 | 1.08E-06 | 2.01E-06 | 2.42E-05 |
| | B | 0.0 | 0.0 | 8.42E-04 | 7.21E-04 | 8.04E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 5.05E-06 | 3.48E-06 | 9.43E-04 | 8.22E-04 | 1.44E-04 | 8.23E-05 | 9.36E-06 | 4.29E-06 | 1.08E-06 | 2.01E-06 | 8.43E-05 |
| R MARROW | G | 2.04E-05 | 6.49E-06 | 9.69E-05 | 9.69E-05 | 2.66E-04 | 8.46E-05 | 8.52E-06 | 4.81E-06 | 7.41E-07 | 2.02E-06 | 2.66E-05 |
| | B | 0.0 | 0.0 | 3.26E-06 | 4.02E-04 | 2.53E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 2.04E-05 | 6.49E-06 | 1.00E-04 | 4.99E-04 | 2.80E-03 | 8.46E-05 | 8.52E-06 | 4.81E-06 | 7.41E-07 | 2.02E-06 | 8.68E-05 |
| Y MARROW | G | 7.05E-06 | 3.69E-06 | 9.72E-05 | 9.72E-05 | 9.32E-05 | 1.71E-04 | 1.15E-05 | 6.40E-06 | 3.19E-07 | 1.03E-06 | 2.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.81E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 7.05E-06 | 3.69E-06 | 9.72E-05 | 9.72E-05 | 9.32E-05 | 2.98E-03 | 1.15E-05 | 6.40E-06 | 3.19E-07 | 1.03E-06 | 8.49E-05 |
| T E CL | G | 5.05E-06 | 3.48E-06 | 9.94E-05 | 9.94E-05 | 1.01E-04 | 9.97E-05 | 9.36E-06 | 4.29E-06 | 1.08E-06 | 2.01E-06 | 2.43E-05 |
| | B | 0.0 | 0.0 | 4.12E-04 | 8.60E-04 | 8.29E-04 | 7.01E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 5.05E-06 | 3.48E-06 | 5.11E-04 | 9.59E-04 | 9.31E-04 | 8.01E-04 | 9.36E-06 | 4.29E-06 | 1.08E-06 | 2.01E-06 | 8.44E-05 |
| SKIN | G | 4.24E-07 | 4.35E-07 | 2.72E-06 | 2.72E-06 | 2.26E-06 | 3.63E-06 | 6.46E-05 | 1.06E-06 | 1.87E-05 | 5.01E-06 | 9.15E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-03 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 4.24E-07 | 4.35E-07 | 2.72E-06 | 2.72E-06 | 2.26E-06 | 3.63E-06 | 1.68E-03 | 1.06E-06 | 1.87E-05 | 5.01E-06 | 6.93E-05 |
| SPLEEN | G | 3.00E-07 | 1.85E-04 | 2.13E-06 | 2.13E-06 | 1.35E-06 | 1.81E-06 | 1.15E-06 | 3.93E-03 | 8.71E-09 | 5.31E-08 | 1.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.34E-02 | 0.0 | 0.0 | 6.01E-05 |
| | T | 3.00E-07 | 1.85E-04 | 2.13E-06 | 2.13E-06 | 1.35E-06 | 1.81E-06 | 1.15E-06 | 2.73E-02 | 8.71E-09 | 5.31E-08 | 7.73E-05 |
| TESTES | G | 2.85E-46 | 2.21E-08 | 6.83E-07 | 6.83E-07 | 4.26E-07 | 1.11E-06 | 1.10E-05 | 1.91E-08 | 1.33E-02 | 1.02E-10 | 1.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.20E-01 | 0.0 | 6.01E-05 |
| | T | 2.85E-46 | 2.21E-08 | 6.83E-07 | 6.83E-07 | 4.26E-07 | 1.11E-06 | 1.10E-05 | 1.91E-08 | 1.34E-01 | 1.02E-10 | 7.23E-05 |
| THYMUS | G | 9.55E-09 | 3.11E-07 | 1.10E-06 | 1.10E-06 | 1.52E-06 | 1.86E-06 | 1.34E-06 | 1.37E-07 | 6.73E-10 | 6.82E-06 | 2.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 9.55E-09 | 3.11E-07 | 1.10E-06 | 1.10E-06 | 1.52E-06 | 1.86E-06 | 1.34E-06 | 1.37E-07 | 6.73E-10 | 6.82E-06 | 8.26E-05 |
| THYROID | G | 1.43E-09 | 5.21E-08 | 1.31E-06 | 1.31E-06 | 8.89E-07 | 1.69E-06 | 4.29E-06 | 3.70E-08 | 1.02E-10 | 1.96E-02 | 1.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.10E-01 | 6.01E-05 |
| | T | 1.43E-09 | 5.21E-08 | 1.31E-06 | 1.31E-06 | 8.89E-07 | 1.69E-06 | 4.29E-06 | 3.70E-08 | 1.02E-10 | 2.30E-01 | 7.73E-05 |
| UTERUS | G | 1.05E-04 | 3.07E-07 | 7.66E-07 | 7.66E-07 | 2.55E-06 | 8.73E-07 | 5.76E-07 | 2.47E-07 | 2.85E-46 | 1.31E-09 | 1.82E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.01E-05 |
| | T | 1.05E-04 | 3.07E-07 | 7.66E-07 | 7.66E-07 | 2.55E-06 | 8.73E-07 | 5.76E-07 | 2.47E-07 | 2.85E-46 | 1.31E-09 | 7.83E-05 |
| T BODY | G | 1.87E-05 | 1.86E-05 | 1.76E-05 | 1.76E-05 | 1.78E-05 | 1.72E-05 | 9.58E-06 | 1.80E-05 | 1.54E-05 | 1.64E-05 | 1.65E-05 |
| | B | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 | 6.01E-05 |
| | T | 7.88E-05 | 7.87E-05 | 7.78E-05 | 7.78E-05 | 7.79E-05 | 7.73E-05 | 6.97E-05 | 7.82E-05 | 7.55E-05 | 7.65E-05 | 7.66E-05 |

'"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 48-CADMIUM-115M (TR=4.300E 01 DAYS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.48E-03 | 1.40E-06 | 1.35E-05 | 6.48E-06 | 6.57E-06 | 2.72E-06 | 6.61E-05 | 2.56E-05 | 1.24E-05 | 1.24E-05 | 8.30E-06 |
| | B | 2.19E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.19E 00 | 1.40E-06 | 1.35E-05 | 6.48E-06 | 6.57E-06 | 2.72E-06 | 6.61E-05 | 2.56E-05 | 1.24E-05 | 1.24E-05 | 8.30E-06 |
| BLAD WALL | G | 1.34E-06 | 3.73E-04 | 2.68E-06 | 1.38E-05 | 1.09E-05 | 2.93E-05 | 2.56E-06 | 1.19E-06 | 5.14E-07 | 5.14E-07 | 9.53E-06 |
| | B | 0.0 | 7.65E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-06 | 7.69E-02 | 2.68E-06 | 1.38E-05 | 1.09E-05 | 2.93E-05 | 2.56E-06 | 1.19E-06 | 5.14E-07 | 5.14E-07 | 9.53E-06 |
| GI TRACT S WALL | G | 1.57E-05 | 2.75E-06 | 2.73E-04 | 1.89E-05 | 1.88E-05 | 8.49E-06 | 1.72E-05 | 1.06E-05 | 1.05E-05 | 1.05E-05 | 7.67E-06 |
| | B | 0.0 | 0.0 | 6.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.57E-05 | 2.75E-06 | 6.15E-02 | 1.89E-05 | 1.88E-05 | 8.49E-06 | 1.72E-05 | 1.06E-05 | 1.05E-05 | 1.05E-05 | 7.67E-06 |
| SI+CONT | G | 5.37E-06 | 1.46E-05 | 1.35E-05 | 1.61E-04 | 8.38E-05 | 4.73E-05 | 1.51E-05 | 8.67E-06 | 1.77E-06 | 1.77E-06 | 8.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 3.83E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.37E-06 | 1.46E-05 | 1.35E-05 | 3.84E-02 | 8.38E-05 | 4.73E-05 | 1.51E-05 | 8.67E-06 | 1.77E-06 | 1.77E-06 | 8.34E-06 |
| ULI WALL | G | 5.94E-06 | 1.07E-05 | 1.72E-05 | 1.20E-04 | 2.29E-04 | 2.18E-05 | 1.56E-05 | 1.27E-05 | 2.32E-06 | 2.32E-06 | 8.84E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 6.96E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.94E-06 | 1.07E-05 | 1.72E-05 | 1.20E-04 | 6.98E-02 | 2.18E-05 | 1.56E-05 | 1.27E-05 | 2.32E-06 | 2.32E-06 | 8.84E-06 |
| LLI WALL | G | 1.61E-06 | 3.60E-05 | 7.54E-06 | 3.63E-05 | 1.72E-05 | 2.70E-04 | 5.00E-06 | 1.66E-06 | 4.87E-07 | 4.87E-07 | 9.13E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.61E-06 | 3.60E-05 | 7.54E-06 | 3.63E-05 | 1.72E-05 | 1.14E-01 | 5.00E-06 | 1.66E-06 | 4.87E-07 | 4.87E-07 | 9.13E-06 |
| KIDNEYS | G | 5.88E-05 | 2.18E-06 | 1.76E-05 | 1.68E-05 | 1.54E-05 | 5.08E-06 | 3.80E-04 | 1.99E-05 | 5.61E-06 | 5.61E-06 | 7.84E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.88E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.88E-05 | 2.18E-06 | 1.76E-05 | 1.68E-05 | 1.54E-05 | 5.08E-06 | 9.91E-02 | 1.99E-05 | 5.61E-06 | 5.61E-06 | 7.84E-06 |
| LIVER | G | 2.53E-05 | 1.67E-06 | 1.07E-05 | 1.01E-05 | 1.35E-05 | 2.22E-06 | 2.05E-05 | 1.34E-04 | 1.28E-05 | 1.28E-05 | 6.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.70E-02 | 0.0 | 0.0 | 0.0 |
| | T | 2.53E-05 | 1.67E-06 | 1.07E-05 | 1.01E-05 | 1.35E-05 | 2.22E-06 | 2.05E-05 | 1.71E-02 | 1.28E-05 | 1.28E-05 | 6.12E-06 |
| LUNGS | G | 1.29E-05 | 4.59E-07 | 9.63E-06 | 1.91E-06 | 2.29E-06 | 8.79E-07 | 5.39E-06 | 1.32E-05 | 7.63E-05 | 7.63E-05 | 7.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.06E-02 | 3.06E-02 | 0.0 |
| | T | 1.29E-05 | 4.59E-07 | 9.63E-06 | 1.91E-06 | 2.29E-06 | 8.79E-07 | 5.39E-06 | 1.32E-05 | 3.07E-02 | 3.07E-02 | 7.18E-06 |
| RESP LYM NODE | G | 1.29E-05 | 4.59E-07 | 9.63E-06 | 1.91E-06 | 2.29E-06 | 8.79E-07 | 5.39E-06 | 1.32E-05 | 7.63E-05 | 7.63E-05 | 7.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.06E-02 | 2.04E 00 | 0.0 |
| | T | 1.29E-05 | 4.59E-07 | 9.63E-06 | 1.91E-06 | 2.29E-06 | 8.79E-07 | 5.39E-06 | 1.32E-05 | 3.07E-02 | 2.04E 00 | 7.18E-06 |
| MUSCLE* | G | 8.30E-06 | 9.53E-06 | 7.67E-06 | 8.34E-06 | 8.00E-06 | 9.13E-06 | 7.84E-06 | 6.12E-06 | 7.18E-06 | 7.18E-06 | 8.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.09E-03 |
| | T | 8.30E-06 | 9.53E-06 | 7.67E-06 | 8.34E-06 | 8.00E-06 | 9.13E-06 | 7.84E-06 | 6.12E-06 | 7.18E-06 | 7.18E-06 | 1.10E-03 |
| OVARIES | G | 2.47E-06 | 2.79E-05 | 7.07E-06 | 5.19E-05 | 4.11E-05 | 9.02E-05 | 8.20E-06 | 4.16E-06 | 9.55E-07 | 9.55E-07 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.47E-06 | 2.79E-05 | 7.07E-06 | 5.19E-05 | 4.11E-05 | 9.02E-05 | 8.20E-06 | 4.16E-06 | 9.55E-07 | 9.55E-07 | 1.07E-05 |

48-CADMIUM-115M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 4.66E-05 | 1.58E-06 | 8.86E-05 | 1.05E-05 | 1.11E-05 | 3.94E-06 | 3.65E-05 | 2.27E-05 | 1.26E-05 | 1.26E-05 | 9.55E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.66E-05 | 1.58E-06 | 8.86E-05 | 1.05E-05 | 1.11E-05 | 3.94E-06 | 3.65E-05 | 2.27E-05 | 1.26E-05 | 1.26E-05 | 9.55E-06 |
| SKELETON BONE | G | 7.25E-06 | 3.01E-06 | 3.17E-06 | 4.21E-06 | 3.73E-06 | 5.43E-06 | 5.21E-06 | 3.88E-06 | 5.26E-06 | 5.26E-06 | 6.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.25E-06 | 3.01E-06 | 3.17E-06 | 4.21E-06 | 3.73E-06 | 5.43E-06 | 5.21E-06 | 3.88E-06 | 5.26E-06 | 5.26E-06 | 6.12E-06 |
| R MARROW | G | 1.28E-05 | 6.27E-06 | 5.31E-06 | 1.29E-05 | 1.08E-05 | 1.61E-05 | 1.31E-05 | 5.50E-06 | 6.68E-06 | 6.68E-06 | 7.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-05 | 6.27E-06 | 5.31E-06 | 1.29E-05 | 1.08E-05 | 1.61E-05 | 1.31E-05 | 5.50E-06 | 6.68E-06 | 6.68E-06 | 7.08E-06 |
| Y MARROW | G | 7.06E-06 | 2.78E-06 | 4.41E-06 | 5.77E-06 | 5.29E-06 | 6.68E-06 | 6.45E-06 | 5.78E-06 | 5.51E-06 | 5.51E-06 | 5.81E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.06E-06 | 2.78E-06 | 4.41E-06 | 5.77E-06 | 5.29E-06 | 6.68E-06 | 6.45E-06 | 5.78E-06 | 5.51E-06 | 5.51E-06 | 5.81E-06 |
| T E CL | G | 7.25E-06 | 3.01E-06 | 3.17E-06 | 4.21E-06 | 3.73E-06 | 5.43E-06 | 5.21E-06 | 3.88E-06 | 5.26E-06 | 5.26E-06 | 6.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.25E-06 | 3.01E-06 | 3.17E-06 | 4.21E-06 | 3.73E-06 | 5.43E-06 | 5.21E-06 | 3.88E-06 | 5.26E-06 | 5.26E-06 | 6.12E-06 |
| SKIN | G | 4.06E-06 | 3.86E-06 | 3.42E-06 | 3.23E-06 | 3.13E-06 | 3.49E-06 | 3.71E-06 | 3.46E-06 | 3.84E-06 | 3.84E-06 | 5.20E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.06E-06 | 3.86E-06 | 3.42E-06 | 3.23E-06 | 3.13E-06 | 3.49E-06 | 3.71E-06 | 3.46E-06 | 3.84E-06 | 3.84E-06 | 5.20E-06 |
| SPLEEN | G | 3.23E-05 | 1.34E-06 | 5.04E-05 | 8.61E-06 | 7.62E-06 | 5.70E-06 | 4.44E-05 | 5.99E-06 | 1.13E-05 | 1.13E-05 | 7.99E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.23E-05 | 1.34E-06 | 5.04E-05 | 8.61E-06 | 7.62E-06 | 5.70E-06 | 4.44E-05 | 5.99E-06 | 1.13E-05 | 1.13E-05 | 7.99E-06 |
| TESTES | G | 5.03E-07 | 2.55E-05 | 8.68E-07 | 2.94E-06 | 2.94E-06 | 8.58E-06 | 9.59E-07 | 1.22E-06 | 2.04E-07 | 2.04E-07 | 6.83E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.03E-07 | 2.55E-05 | 8.68E-07 | 2.94E-06 | 2.94E-06 | 8.58E-06 | 9.59E-07 | 1.22E-06 | 2.04E-07 | 2.04E-07 | 6.83E-06 |
| THYMUS | G | 3.62E-06 | 2.58E-07 | 4.16E-06 | 8.94E-07 | 9.65E-07 | 4.19E-07 | 9.96E-07 | 4.52E-06 | 2.26E-05 | 2.26E-05 | 8.64E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.62E-06 | 2.58E-07 | 4.16E-06 | 8.94E-07 | 9.65E-07 | 4.19E-07 | 9.96E-07 | 4.52E-06 | 2.26E-05 | 2.26E-05 | 8.64E-06 |
| THYROID | G | 1.26E-06 | 9.63E-08 | 9.67E-07 | 3.09E-07 | 3.27E-07 | 1.58E-07 | 6.43E-07 | 1.13E-06 | 6.98E-06 | 6.98E-06 | 7.42E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.26E-06 | 9.63E-08 | 9.67E-07 | 3.09E-07 | 3.27E-07 | 1.58E-07 | 6.43E-07 | 1.13E-06 | 6.98E-06 | 6.98E-06 | 7.42E-06 |
| UTERUS | G | 2.73E-06 | 7.66E-05 | 5.38E-06 | 4.49E-05 | 2.57E-05 | 3.03E-05 | 4.99E-06 | 2.49E-06 | 8.58E-07 | 8.58E-07 | 1.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.73E-06 | 7.66E-05 | 5.38E-06 | 4.49E-05 | 2.57E-05 | 3.03E-05 | 4.99E-06 | 2.49E-06 | 8.58E-07 | 8.58E-07 | 1.31E-05 |
| T BODY | G | 9.08E-06 | 9.97E-06 | 9.55E-06 | 1.05E-05 | 1.03E-05 | 1.02E-05 | 9.15E-06 | 9.14E-06 | 7.76E-06 | 7.76E-06 | 7.88E-06 |
| | B | 4.37E-04 | 4.92E-05 | 1.31E-04 | 3.50E-04 | 2.09E-04 | 2.59E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 |
| | T | 4.46E-04 | 5.92E-05 | 1.41E-04 | 3.60E-04 | 2.19E-04 | 2.69E-04 | 4.47E-04 | 4.47E-04 | 4.45E-04 | 4.45E-04 | 4.45E-04 |

CONTINUED NEXT PAGE

48-CADMIUM-115M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.10E-06 | 3.82E-05 | 1.04E-05 | 1.04E-05 | 1.47E-05 | 4.13E-06 | 4.58E-06 | 3.73E-05 | 5.03E-07 | 1.22E-06 | 1.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 3.10E-06 | 3.82E-05 | 1.04E-05 | 1.04E-05 | 1.47E-05 | 4.13E-06 | 4.58E-06 | 3.73E-05 | 5.03E-07 | 1.22E-06 | 4.49E-04 |
| BLAD WALL | G | 3.73E-05 | 9.61E-07 | 2.92E-06 | 2.92E-06 | 6.05E-06 | 1.88E-06 | 4.35E-06 | 1.80E-06 | 2.78E-05 | 9.67E-08 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 3.73E-05 | 9.61E-07 | 2.92E-06 | 2.92E-06 | 6.05E-06 | 1.88E-06 | 4.35E-06 | 1.80E-06 | 2.78E-05 | 9.67E-08 | 4.48E-04 |
| GI TRACT S WALL | G | 4.52E-06 | 8.97E-05 | 3.06E-06 | 3.06E-06 | 6.38E-06 | 4.12E-06 | 3.67E-06 | 5.07E-05 | 5.30E-07 | 8.35E-07 | 8.79E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 4.52E-06 | 8.97E-05 | 3.06E-06 | 3.06E-06 | 6.38E-06 | 4.12E-06 | 3.67E-06 | 5.07E-05 | 5.30E-07 | 8.35E-07 | 4.46E-04 |
| SI+CONT | G | 5.98E-05 | 9.81E-06 | 4.51E-06 | 4.51E-06 | 1.39E-05 | 5.59E-06 | 3.31E-06 | 7.73E-06 | 2.99E-06 | 2.28E-07 | 1.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 5.98E-05 | 9.81E-06 | 4.51E-06 | 4.51E-06 | 1.39E-05 | 5.59E-06 | 3.31E-06 | 7.73E-06 | 2.99E-06 | 2.28E-07 | 4.48E-04 |
| ULI WALL | G | 5.65E-05 | 1.19E-05 | 4.23E-06 | 4.23E-06 | 1.03E-05 | 4.90E-06 | 3.54E-06 | 7.73E-06 | 2.19E-06 | 2.60E-07 | 9.97E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 5.65E-05 | 1.19E-05 | 4.23E-06 | 4.23E-06 | 1.03E-05 | 4.90E-06 | 3.54E-06 | 7.73E-06 | 2.19E-06 | 2.60E-07 | 4.47E-04 |
| LLI WALL | G | 7.16E-05 | 3.28E-06 | 5.72E-06 | 5.72E-06 | 1.59E-05 | 4.66E-06 | 3.60E-06 | 3.54E-06 | 1.29E-05 | 1.36E-07 | 1.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 7.16E-05 | 3.28E-06 | 5.72E-06 | 5.72E-06 | 1.59E-05 | 4.66E-06 | 3.60E-06 | 3.54E-06 | 1.29E-05 | 1.36E-07 | 4.48E-04 |
| KIDNEYS | G | 6.01E-06 | 3.24E-05 | 6.23E-06 | 6.23E-06 | 1.31E-05 | 6.42E-06 | 4.26E-06 | 4.39E-05 | 8.38E-07 | 7.10E-07 | 9.55E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 6.01E-06 | 3.24E-05 | 6.23E-06 | 6.23E-06 | 1.31E-05 | 6.42E-06 | 4.26E-06 | 4.39E-05 | 8.38E-07 | 7.10E-07 | 4.47E-04 |
| LIVER | G | 3.61E-06 | 2.16E-05 | 3.99E-06 | 3.99E-06 | 5.56E-06 | 6.08E-06 | 3.76E-06 | 5.92E-06 | 5.88E-07 | 1.10E-06 | 9.59E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 3.61E-06 | 2.16E-05 | 3.99E-06 | 3.99E-06 | 5.56E-06 | 6.08E-06 | 3.76E-06 | 5.92E-06 | 5.88E-07 | 1.10E-06 | 4.47E-04 |
| LUNGS | G | 8.81E-07 | 1.24E-05 | 5.42E-06 | 5.42E-06 | 6.72E-06 | 5.66E-06 | 3.95E-06 | 1.14E-05 | 1.80E-07 | 6.20E-06 | 7.62E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 8.81E-07 | 1.24E-05 | 5.42E-06 | 5.42E-06 | 6.72E-06 | 5.66E-06 | 3.95E-06 | 1.14E-05 | 1.80E-07 | 6.20E-06 | 4.45E-04 |
| RESP LYM NODE | G | 8.81E-07 | 1.24E-05 | 5.42E-06 | 5.42E-06 | 6.72E-06 | 5.66E-06 | 3.95E-06 | 1.14E-05 | 1.80E-07 | 6.20E-06 | 7.62E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 8.81E-07 | 1.24E-05 | 5.42E-06 | 5.42E-06 | 6.72E-06 | 5.66E-06 | 3.95E-06 | 1.14E-05 | 1.80E-07 | 6.20E-06 | 4.45E-04 |
| MUSCLE* | G | 1.07E-05 | 9.55E-06 | 6.12E-06 | 6.12E-06 | 7.15E-06 | 5.64E-06 | 5.20E-06 | 7.99E-06 | 6.83E-06 | 7.42E-06 | 7.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 1.07E-05 | 9.55E-06 | 6.12E-06 | 6.12E-06 | 7.15E-06 | 5.64E-06 | 5.20E-06 | 7.99E-06 | 6.83E-06 | 7.42E-06 | 4.45E-04 |
| OVARIES | G | 4.04E-03 | 5.00E-06 | 5.25E-06 | 5.25E-06 | 1.60E-05 | 5.11E-06 | 3.19E-06 | 3.41E-06 | 4.23E-50 | 1.62E-07 | 8.24E-06 |
| | B | 2.78E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 2.79E 00 | 5.00E-06 | 5.25E-06 | 5.25E-06 | 1.60E-05 | 5.11E-06 | 3.19E-06 | 3.41E-06 | 4.23E-50 | 1.62E-07 | 4.46E-04 |

48-CADMIUM-115M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.54E-06 | 1.12E-03 | 5.63E-06 | 5.63E-06 | 6.69E-06 | 5.77E-06 | 2.86E-06 | 9.64E-05 | 5.92E-07 | 8.12E-07 | 8.86E-06 |
| | B | 0.0 | 3.06E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 4.54E-06 | 3.07E-01 | 5.63E-06 | 5.63E-06 | 6.69E-06 | 5.77E-06 | 2.86E-06 | 9.64E-05 | 5.92E-07 | 8.12E-07 | 4.46E-04 |
| SKELETON BONE | G | 4.82E-06 | 4.83E-06 | 1.84E-05 | 1.84E-05 | 1.22E-05 | 1.37E-05 | 4.74E-06 | 4.15E-06 | 3.57E-06 | 4.03E-06 | 7.82E-06 |
| | B | 0.0 | 0.0 | 6.12E-03 | 3.52E-03 | 1.73E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 4.82E-06 | 4.83E-06 | 6.14E-03 | 3.54E-03 | 1.74E-03 | 1.37E-05 | 4.74E-06 | 4.15E-06 | 3.57E-06 | 4.03E-06 | 4.45E-04 |
| R MARROW | G | 1.56E-05 | 9.00E-06 | 1.66E-05 | 1.66E-05 | 3.87E-05 | 1.41E-05 | 4.41E-06 | 6.04E-06 | 2.79E-06 | 4.36E-06 | 8.60E-06 |
| | B | 0.0 | 0.0 | 3.50E-04 | 8.66E-03 | 1.37E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 1.56E-05 | 9.00E-06 | 3.66E-04 | 8.68E-03 | 1.37E-02 | 1.41E-05 | 4.41E-06 | 6.04E-06 | 2.79E-06 | 4.36E-06 | 4.46E-04 |
| Y MARROW | G | 6.36E-06 | 5.69E-06 | 1.59E-05 | 1.59E-05 | 1.51E-05 | 2.32E-05 | 5.03E-06 | 6.16E-06 | 1.57E-06 | 2.20E-06 | 7.30E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.04E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 6.36E-06 | 5.69E-06 | 1.59E-05 | 1.59E-05 | 1.51E-05 | 2.04E-02 | 5.03E-06 | 6.16E-06 | 1.57E-06 | 2.20E-06 | 4.45E-04 |
| T E CL | G | 4.82E-06 | 4.83E-06 | 1.84E-05 | 1.84E-05 | 1.64E-05 | 1.51E-05 | 4.74E-06 | 4.15E-06 | 3.57E-06 | 4.03E-06 | 7.82E-06 |
| | B | 0.0 | 0.0 | 3.93E-03 | 6.14E-03 | 6.11E-03 | 5.10E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 4.82E-06 | 4.83E-06 | 3.94E-03 | 6.16E-03 | 6.13E-03 | 5.12E-03 | 4.74E-06 | 4.15E-06 | 3.57E-06 | 4.03E-06 | 4.45E-04 |
| SKIN | G | 3.11E-06 | 3.10E-06 | 4.82E-06 | 4.82E-06 | 4.21E-06 | 5.27E-06 | 1.14E-05 | 3.58E-06 | 8.67E-06 | 5.08E-06 | 5.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.18E-02 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 3.11E-06 | 3.10E-06 | 4.82E-06 | 4.82E-06 | 4.21E-06 | 5.27E-06 | 1.18E-02 | 3.58E-06 | 8.67E-06 | 5.08E-06 | 4.43E-04 |
| SPLEEN | G | 3.34E-06 | 9.68E-05 | 4.59E-06 | 4.59E-06 | 5.58E-06 | 6.27E-06 | 4.09E-06 | 6.82E-04 | 4.11E-07 | 1.12E-06 | 9.29E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.70E-01 | 0.0 | 0.0 | 4.37E-04 |
| | T | 3.34E-06 | 9.68E-05 | 4.59E-06 | 4.59E-06 | 5.58E-06 | 6.27E-06 | 4.09E-06 | 1.71E-01 | 4.11E-07 | 1.12E-06 | 4.47E-04 |
| TESTES | G | 4.23E-50 | 6.82E-07 | 3.74E-06 | 3.74E-06 | 2.10E-06 | 5.02E-06 | 5.13E-06 | 6.47E-07 | 1.91E-03 | 4.25E-08 | 9.39E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.75E-01 | 0.0 | 4.37E-04 |
| | T | 4.23E-50 | 6.82E-07 | 3.74E-06 | 3.74E-06 | 2.10E-06 | 5.02E-06 | 5.13E-06 | 6.47E-07 | 8.77E-01 | 4.25E-08 | 4.47E-04 |
| THYMUS | G | 4.43E-07 | 3.11E-06 | 4.17E-06 | 4.17E-06 | 4.02E-06 | 2.79E-06 | 3.99E-06 | 3.14E-06 | 1.09E-07 | 2.15E-05 | 7.85E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 4.43E-07 | 3.11E-06 | 4.17E-06 | 4.17E-06 | 4.02E-06 | 2.79E-06 | 3.99E-06 | 3.14E-06 | 1.09E-07 | 2.15E-05 | 4.45E-04 |
| THYROID | G | 1.62E-07 | 4.95E-07 | 3.96E-06 | 3.96E-06 | 4.92E-06 | 3.09E-06 | 4.08E-06 | 9.44E-07 | 4.25E-08 | 2.58E-03 | 8.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.53E 00 | 4.37E-04 |
| | T | 1.62E-07 | 4.95E-07 | 3.96E-06 | 3.96E-06 | 4.92E-06 | 3.09E-06 | 4.08E-06 | 9.44E-07 | 4.25E-08 | 1.53E 00 | 4.46E-04 |
| UTERUS | G | 8.91E-05 | 3.34E-06 | 4.61E-06 | 4.61E-06 | 9.06E-06 | 3.43E-06 | 4.01E-06 | 2.87E-06 | 4.23E-50 | 1.55E-07 | 1.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-04 |
| | T | 8.91E-05 | 3.34E-06 | 4.61E-06 | 4.61E-06 | 9.06E-06 | 3.43E-06 | 4.01E-06 | 2.87E-06 | 4.23E-50 | 1.55E-07 | 4.49E-04 |
| T BODY | G | 1.06E-05 | 1.04E-05 | 7.81E-06 | 7.81E-06 | 8.62E-06 | 6.97E-06 | 5.21E-06 | 9.10E-06 | 7.81E-06 | 7.09E-06 | 7.84E-06 |
| | B | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 |
| | T | 4.48E-04 | 4.48E-04 | 4.45E-04 | 4.45E-04 | 4.46E-04 | 4.44E-04 | 4.43E-04 | 4.46E-04 | 4.45E-04 | 4.44E-04 | 4.45E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-MORET, M. R., COMPT. REND. 266B, 738 (1968)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 48-CADMIUM-115 (TR=2.300E 00 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.74E-02 | 8.77E-06 | 8.06E-05 | 4.74E-05 | 3.83E-05 | 1.87E-05 | 4.68E-04 | 1.85E-04 | 9.25E-05 | 9.25E-05 | 5.80E-05 |
| | B | 1.14E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.15E 00 | 8.77E-06 | 8.06E-05 | 4.74E-05 | 3.83E-05 | 1.87E-05 | 4.68E-04 | 1.85E-04 | 9.25E-05 | 9.25E-05 | 5.80E-05 |
| BLAD WALL | G | 4.31E-06 | 2.81E-03 | 1.71E-05 | 1.27E-04 | 7.27E-05 | 2.14E-04 | 1.46E-05 | 1.28E-05 | 2.80E-06 | 2.80E-06 | 6.75E-05 |
| | B | 0.0 | 3.98E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.31E-06 | 4.26E-02 | 1.71E-05 | 1.27E-04 | 7.27E-05 | 2.14E-04 | 1.46E-05 | 1.28E-05 | 2.80E-06 | 2.80E-06 | 6.75E-05 |
| GI TRACT S WALL | G | 1.12E-04 | 1.25E-05 | 1.97E-03 | 1.29E-04 | 1.37E-04 | 6.82E-05 | 1.27E-04 | 7.18E-05 | 6.98E-05 | 6.98E-05 | 5.33E-05 |
| | B | 0.0 | 0.0 | 3.18E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-04 | 1.25E-05 | 3.38E-02 | 1.29E-04 | 1.37E-04 | 6.82E-05 | 1.27E-04 | 7.18E-05 | 6.98E-05 | 6.98E-05 | 5.33E-05 |
| SI+CONT | G | 3.63E-05 | 9.93E-05 | 9.98E-05 | 1.18E-03 | 6.18E-04 | 3.39E-04 | 1.04E-04 | 6.01E-05 | 1.05E-05 | 1.05E-05 | 5.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.99E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.63E-05 | 9.93E-05 | 9.98E-05 | 2.11E-02 | 6.18E-04 | 3.39E-04 | 1.04E-04 | 6.01E-05 | 1.05E-05 | 1.05E-05 | 5.88E-05 |
| ULI WALL | G | 3.97E-05 | 8.94E-05 | 1.25E-04 | 8.65E-04 | 1.62E-03 | 1.60E-04 | 1.09E-04 | 9.70E-05 | 1.44E-05 | 1.44E-05 | 6.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.62E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.97E-05 | 8.94E-05 | 1.25E-04 | 8.65E-04 | 3.78E-02 | 1.60E-04 | 1.09E-04 | 9.70E-05 | 1.44E-05 | 1.44E-05 | 6.18E-05 |
| LLI WALL | G | 1.32E-05 | 2.68E-04 | 4.82E-05 | 2.56E-04 | 1.14E-04 | 1.95E-03 | 3.33E-05 | 1.22E-05 | 3.04E-06 | 3.04E-06 | 6.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.90E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.32E-05 | 2.68E-04 | 4.82E-05 | 2.56E-04 | 1.14E-04 | 6.09E-02 | 3.33E-05 | 1.22E-05 | 3.04E-06 | 3.04E-06 | 6.43E-05 |
| KIDNEYS | G | 4.35E-04 | 1.45E-05 | 1.25E-04 | 1.20E-04 | 1.03E-04 | 3.16E-05 | 2.78E-03 | 1.43E-04 | 3.95E-05 | 3.95E-05 | 5.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.14E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.35E-04 | 1.45E-05 | 1.25E-04 | 1.20E-04 | 1.03E-04 | 3.16E-05 | 5.41E-02 | 1.43E-04 | 3.95E-05 | 3.95E-05 | 5.43E-05 |
| LIVER | G | 1.85E-04 | 1.07E-05 | 7.71E-05 | 6.84E-05 | 9.33E-05 | 1.31E-05 | 1.51E-04 | 9.75E-04 | 9.03E-05 | 9.03E-05 | 4.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.85E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.85E-04 | 1.07E-05 | 7.71E-05 | 6.84E-05 | 9.33E-05 | 1.31E-05 | 1.51E-04 | 9.82E-03 | 9.03E-05 | 9.03E-05 | 4.24E-05 |
| LUNGS | G | 8.83E-05 | 1.85E-06 | 7.02E-05 | 1.27E-05 | 1.29E-05 | 3.93E-06 | 3.60E-05 | 9.09E-05 | 5.53E-04 | 5.53E-04 | 5.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-02 | 1.59E-02 | 0.0 |
| | T | 8.83E-05 | 1.85E-06 | 7.02E-05 | 1.27E-05 | 1.29E-05 | 3.93E-06 | 3.60E-05 | 9.09E-05 | 1.65E-02 | 1.65E-02 | 5.09E-05 |
| RESP LYM NODE | G | 8.83E-05 | 1.85E-06 | 7.02E-05 | 1.27E-05 | 1.29E-05 | 3.93E-06 | 3.60E-05 | 9.09E-05 | 5.53E-04 | 5.53E-04 | 5.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-02 | 1.06E 00 | 0.0 |
| | T | 8.83E-05 | 1.85E-06 | 7.02E-05 | 1.27E-05 | 1.29E-05 | 3.93E-06 | 3.60E-05 | 9.09E-05 | 1.65E-02 | 1.06E 00 | 5.09E-05 |
| MUSCLE* | G | 5.80E-05 | 6.75E-05 | 5.33E-05 | 5.88E-05 | 5.61E-05 | 6.43E-05 | 5.43E-05 | 4.24E-05 | 5.09E-05 | 5.09E-05 | 5.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.69E-04 |
| | T | 5.80E-05 | 6.75E-05 | 5.33E-05 | 5.88E-05 | 5.61E-05 | 6.43E-05 | 5.43E-05 | 4.24E-05 | 5.09E-05 | 5.09E-05 | 6.26E-04 |
| OVARIES | G | 2.08E-05 | 2.38E-04 | 2.02E-05 | 3.35E-04 | 4.74E-04 | 6.06E-04 | 4.45E-05 | 8.46E-06 | 5.80E-06 | 5.80E-06 | 7.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.08E-05 | 2.38E-04 | 2.02E-05 | 3.35E-04 | 4.74E-04 | 6.06E-04 | 4.45E-05 | 8.46E-06 | 5.80E-06 | 5.80E-06 | 7.54E-05 |

48-CADMIUM-115 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.19E-04 | 9.97E-06 | 6.62E-04 | 7.88E-05 | 6.87E-05 | 2.83E-05 | 2.48E-04 | 1.80E-04 | 1.05E-04 | 1.05E-04 | 6.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.19E-04 | 9.97E-06 | 6.62E-04 | 7.88E-05 | 6.87E-05 | 2.83E-05 | 2.48E-04 | 1.80E-04 | 1.05E-04 | 1.05E-04 | 6.83E-05 |
| SKELETON BONE | G | 5.21E-05 | 2.25E-05 | 2.31E-05 | 3.00E-05 | 2.76E-05 | 3.99E-05 | 3.76E-05 | 2.81E-05 | 3.82E-05 | 3.82E-05 | 4.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.21E-05 | 2.25E-05 | 2.31E-05 | 3.00E-05 | 2.76E-05 | 3.99E-05 | 3.76E-05 | 2.81E-05 | 3.82E-05 | 3.82E-05 | 4.20E-05 |
| R MARROW | G | 9.34E-05 | 4.81E-05 | 4.00E-05 | 9.54E-05 | 8.27E-05 | 1.19E-04 | 9.51E-05 | 4.12E-05 | 4.82E-05 | 4.82E-05 | 5.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.34E-05 | 4.81E-05 | 4.00E-05 | 9.54E-05 | 8.27E-05 | 1.19E-04 | 9.51E-05 | 4.12E-05 | 4.82E-05 | 4.82E-05 | 5.25E-05 |
| Y MARROW | G | 5.04E-05 | 2.06E-05 | 3.21E-05 | 4.16E-05 | 3.92E-05 | 4.93E-05 | 4.67E-05 | 4.11E-05 | 4.03E-05 | 4.03E-05 | 4.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.04E-05 | 2.06E-05 | 3.21E-05 | 4.16E-05 | 3.92E-05 | 4.93E-05 | 4.67E-05 | 4.11E-05 | 4.03E-05 | 4.03E-05 | 4.28E-05 |
| T E CL | G | 5.21E-05 | 2.25E-05 | 2.31E-05 | 3.00E-05 | 2.76E-05 | 3.99E-05 | 3.76E-05 | 2.81E-05 | 3.82E-05 | 3.82E-05 | 4.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.21E-05 | 2.25E-05 | 2.31E-05 | 3.00E-05 | 2.76E-05 | 3.99E-05 | 3.76E-05 | 2.81E-05 | 3.82E-05 | 3.82E-05 | 4.20E-05 |
| SKIN | G | 2.58E-05 | 2.47E-05 | 2.24E-05 | 2.01E-05 | 2.10E-05 | 2.23E-05 | 2.52E-05 | 2.28E-05 | 2.57E-05 | 2.57E-05 | 3.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.58E-05 | 2.47E-05 | 2.24E-05 | 2.01E-05 | 2.10E-05 | 2.23E-05 | 2.52E-05 | 2.28E-05 | 2.57E-05 | 2.57E-05 | 3.45E-05 |
| SPLEEN | G | 2.44E-04 | 8.54E-06 | 3.60E-04 | 5.95E-05 | 4.69E-05 | 3.57E-05 | 3.15E-04 | 3.80E-05 | 8.10E-05 | 8.10E-05 | 5.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.44E-04 | 8.54E-06 | 3.60E-04 | 5.95E-05 | 4.69E-05 | 3.57E-05 | 3.15E-04 | 3.80E-05 | 8.10E-05 | 8.10E-05 | 5.58E-05 |
| TESTES | G | 2.69E-06 | 1.92E-04 | 1.17E-06 | 1.40E-05 | 1.94E-05 | 7.77E-05 | 5.70E-06 | 4.50E-06 | 9.31E-07 | 9.31E-07 | 4.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.69E-06 | 1.92E-04 | 1.17E-06 | 1.40E-05 | 1.94E-05 | 7.77E-05 | 5.70E-06 | 4.50E-06 | 9.31E-07 | 9.31E-07 | 4.70E-05 |
| THYMUS | G | 3.50E-05 | 1.21E-06 | 9.60E-06 | 5.30E-06 | 5.80E-06 | 2.21E-06 | 1.48E-05 | 4.93E-05 | 1.40E-04 | 1.40E-04 | 6.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.50E-05 | 1.21E-06 | 9.60E-06 | 5.30E-06 | 5.80E-06 | 2.21E-06 | 1.48E-05 | 4.93E-05 | 1.40E-04 | 1.40E-04 | 6.48E-05 |
| THYROID | G | 7.52E-06 | 3.64E-07 | 5.79E-06 | 1.52E-06 | 1.63E-06 | 6.92E-07 | 3.60E-06 | 7.07E-06 | 4.56E-05 | 4.56E-05 | 5.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.52E-06 | 3.64E-07 | 5.79E-06 | 1.52E-06 | 1.63E-06 | 6.92E-07 | 3.60E-06 | 7.07E-06 | 4.56E-05 | 4.56E-05 | 5.24E-05 |
| UTERUS | G | 1.71E-05 | 5.63E-04 | 3.40E-05 | 3.30E-04 | 1.70E-04 | 2.13E-04 | 3.20E-05 | 1.66E-05 | 3.67E-06 | 3.67E-06 | 7.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.71E-05 | 5.63E-04 | 3.40E-05 | 3.30E-04 | 1.70E-04 | 2.13E-04 | 3.20E-05 | 1.66E-05 | 3.67E-06 | 3.67E-06 | 7.31E-05 |
| T BODY | G | 6.38E-05 | 7.09E-05 | 6.73E-05 | 7.43E-05 | 7.24E-05 | 7.20E-05 | 6.43E-05 | 6.46E-05 | 5.51E-05 | 5.51E-05 | 5.47E-05 |
| | B | 2.27E-04 | 2.56E-05 | 6.82E-05 | 1.82E-04 | 1.09E-04 | 1.35E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 |
| | T | 2.91E-04 | 9.65E-05 | 1.36E-04 | 2.56E-04 | 1.81E-04 | 2.07E-04 | 2.92E-04 | 2.92E-04 | 2.83E-04 | 2.83E-04 | 2.82E-04 |

CONTINUED NEXT PAGE

48-CADMIUM-115 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.28E-05 | 3.19E-04 | 6.41E-05 | 6.41E-05 | 6.80E-05 | 4.06E-05 | 2.54E-05 | 2.30E-04 | 2.69E-06 | 7.52E-06 | 8.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 2.28E-05 | 3.19E-04 | 6.41E-05 | 6.41E-05 | 6.80E-05 | 4.06E-05 | 2.54E-05 | 2.30E-04 | 2.69E-06 | 7.52E-06 | 3.14E-04 |
| BLAD WALL | G | 2.53E-04 | 7.34E-06 | 2.45E-05 | 2.45E-05 | 2.63E-05 | 9.99E-06 | 2.39E-05 | 5.41E-06 | 1.93E-04 | 3.67E-07 | 6.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 2.53E-04 | 7.34E-06 | 2.45E-05 | 2.45E-05 | 2.63E-05 | 9.99E-06 | 2.39E-05 | 5.41E-06 | 1.93E-04 | 3.67E-07 | 2.97E-04 |
| GI TRACT S WALL | G | 3.17E-05 | 6.45E-04 | 2.22E-05 | 2.22E-05 | 3.81E-05 | 2.82E-05 | 2.46E-05 | 3.71E-04 | 4.34E-06 | 4.79E-06 | 6.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 3.17E-05 | 6.45E-04 | 2.22E-05 | 2.22E-05 | 3.81E-05 | 2.82E-05 | 2.46E-05 | 3.71E-04 | 4.34E-06 | 4.79E-06 | 2.95E-04 |
| SI+CONT | G | 4.48E-04 | 6.70E-05 | 3.05E-05 | 3.05E-05 | 1.02E-04 | 4.00E-05 | 2.10E-05 | 5.26E-05 | 2.02E-05 | 3.36E-07 | 7.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 4.48E-04 | 6.70E-05 | 3.05E-05 | 3.05E-05 | 1.02E-04 | 4.00E-05 | 2.10E-05 | 5.26E-05 | 2.02E-05 | 3.36E-07 | 3.03E-04 |
| ULI WALL | G | 4.20E-04 | 8.20E-05 | 2.67E-05 | 2.67E-05 | 7.83E-05 | 3.26E-05 | 2.21E-05 | 5.27E-05 | 1.24E-05 | 4.54E-07 | 7.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 4.20E-04 | 8.20E-05 | 2.67E-05 | 2.67E-05 | 7.83E-05 | 3.26E-05 | 2.21E-05 | 5.27E-05 | 1.24E-05 | 4.54E-07 | 3.01E-04 |
| LLI WALL | G | 5.37E-04 | 2.04E-05 | 3.61E-05 | 3.61E-05 | 1.16E-04 | 3.14E-05 | 2.29E-05 | 2.64E-05 | 1.07E-04 | 5.78E-07 | 7.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 5.37E-04 | 2.04E-05 | 3.61E-05 | 3.61E-05 | 1.16E-04 | 3.14E-05 | 2.29E-05 | 2.64E-05 | 1.07E-04 | 5.78E-07 | 3.02E-04 |
| KIDNEYS | G | 4.29E-05 | 2.35E-04 | 3.49E-05 | 3.49E-05 | 8.99E-05 | 4.61E-05 | 2.85E-05 | 3.22E-04 | 3.89E-06 | 1.96E-06 | 6.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 4.29E-05 | 2.35E-04 | 3.49E-05 | 3.49E-05 | 8.99E-05 | 4.61E-05 | 2.85E-05 | 3.22E-04 | 3.89E-06 | 1.96E-06 | 2.94E-04 |
| LIVER | G | 2.33E-05 | 1.56E-04 | 2.68E-05 | 2.68E-05 | 3.87E-05 | 4.15E-05 | 2.57E-05 | 4.06E-05 | 2.03E-06 | 6.05E-06 | 6.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 2.33E-05 | 1.56E-04 | 2.68E-05 | 2.68E-05 | 3.87E-05 | 4.15E-05 | 2.57E-05 | 4.06E-05 | 2.03E-06 | 6.05E-06 | 2.94E-04 |
| LUNGS | G | 4.30E-06 | 9.05E-05 | 3.73E-05 | 3.73E-05 | 4.56E-05 | 3.80E-05 | 2.58E-05 | 8.33E-05 | 5.65E-07 | 4.04E-05 | 5.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 4.30E-06 | 9.05E-05 | 3.73E-05 | 3.73E-05 | 4.56E-05 | 3.80E-05 | 2.58E-05 | 8.33E-05 | 5.65E-07 | 4.04E-05 | 2.86E-04 |
| RESP LYM NODE | G | 4.30E-06 | 9.05E-05 | 3.73E-05 | 3.73E-05 | 4.56E-05 | 3.80E-05 | 2.58E-05 | 8.33E-05 | 5.65E-07 | 4.04E-05 | 5.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 4.30E-06 | 9.05E-05 | 3.73E-05 | 3.73E-05 | 4.56E-05 | 3.80E-05 | 2.58E-05 | 8.33E-05 | 5.65E-07 | 4.04E-05 | 2.86E-04 |
| MUSCLE* | G | 7.54E-05 | 6.83E-05 | 4.20E-05 | 4.20E-05 | 4.96E-05 | 3.91E-05 | 3.45E-05 | 5.58E-05 | 4.70E-05 | 5.24E-05 | 5.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 7.54E-05 | 6.83E-05 | 4.20E-05 | 4.20E-05 | 4.96E-05 | 3.91E-05 | 3.45E-05 | 5.58E-05 | 4.70E-05 | 5.24E-05 | 2.82E-04 |
| OVARIES | G | 2.89E-02 | 1.51E-05 | 4.06E-05 | 4.06E-05 | 1.34E-04 | 3.29E-05 | 1.20E-05 | 3.92E-05 | 1.67E-48 | 6.88E-07 | 6.40E-05 |
| | B | 1.45E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 1.48E 00 | 1.51E-05 | 4.06E-05 | 4.06E-05 | 1.34E-04 | 3.29E-05 | 1.20E-05 | 3.92E-05 | 1.67E-48 | 6.88E-07 | 2.91E-04 |

48-CADMIUM-115 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.15E-05 | 8.04E-03 | 3.47E-05 | 3.47E-05 | 6.44E-05 | 4.97E-05 | 2.22E-05 | 7.36E-04 | 1.57E-06 | 2.62E-06 | 6.61E-05 |
| | B | 0.0 | 1.59E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 2.15E-05 | 1.67E-01 | 3.47E-05 | 3.47E-05 | 6.44E-05 | 4.97E-05 | 2.22E-05 | 7.36E-04 | 1.57E-06 | 2.62E-06 | 2.94E-04 |
| SKELETON BONE | G | 3.53E-05 | 3.51E-05 | 1.32E-04 | 1.32E-04 | 8.85E-05 | 9.80E-05 | 3.23E-05 | 2.94E-05 | 2.53E-05 | 2.88E-05 | 5.71E-05 |
| | B | 0.0 | 0.0 | 3.18E-03 | 1.99E-03 | 7.94E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 3.53E-05 | 3.51E-05 | 3.32E-03 | 2.13E-03 | 8.82E-04 | 9.80E-05 | 3.23E-05 | 2.94E-05 | 2.53E-05 | 2.88E-05 | 2.85E-04 |
| R MARROW | G | 1.18E-04 | 6.63E-05 | 1.18E-04 | 1.18E-04 | 2.84E-04 | 1.02E-04 | 3.01E-05 | 4.33E-05 | 2.01E-05 | 3.19E-05 | 6.29E-05 |
| | B | 0.0 | 0.0 | 9.65E-05 | 3.97E-03 | 7.71E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 1.18E-04 | 6.63E-05 | 2.14E-04 | 4.09E-03 | 8.00E-03 | 1.02E-04 | 3.01E-05 | 4.33E-05 | 2.01E-05 | 3.19E-05 | 2.90E-04 |
| Y MARROW | G | 4.72E-05 | 4.12E-05 | 1.14E-04 | 1.14E-04 | 1.09E-04 | 1.67E-04 | 3.42E-05 | 4.42E-05 | 1.08E-05 | 1.53E-05 | 5.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 4.72E-05 | 4.12E-05 | 1.14E-04 | 1.14E-04 | 1.09E-04 | 1.08E-02 | 3.42E-05 | 4.42E-05 | 1.08E-05 | 1.53E-05 | 2.81E-04 |
| T E CL | G | 3.53E-05 | 3.51E-05 | 1.32E-04 | 1.32E-04 | 1.19E-04 | 1.08E-04 | 3.23E-05 | 2.94E-05 | 2.53E-05 | 2.88E-05 | 5.71E-05 |
| | B | 0.0 | 0.0 | 2.03E-03 | 3.53E-03 | 2.96E-03 | 2.65E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 3.53E-05 | 3.51E-05 | 2.16E-03 | 3.66E-03 | 3.08E-03 | 2.76E-03 | 3.23E-05 | 2.94E-05 | 2.53E-05 | 2.88E-05 | 2.85E-04 |
| SKIN | G | 2.00E-05 | 1.92E-05 | 3.29E-05 | 3.29E-05 | 2.84E-05 | 3.68E-05 | 7.65E-05 | 2.39E-05 | 6.03E-05 | 3.28E-05 | 3.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.12E-03 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 2.00E-05 | 1.92E-05 | 3.29E-05 | 3.29E-05 | 2.84E-05 | 3.68E-05 | 6.20E-03 | 2.39E-05 | 6.03E-05 | 3.28E-05 | 2.62E-04 |
| SPLEEN | G | 2.62E-05 | 7.24E-04 | 3.18E-05 | 3.18E-05 | 3.10E-05 | 3.74E-05 | 2.52E-05 | 4.95E-03 | 4.77E-06 | 4.97E-06 | 6.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.85E-02 | 0.0 | 0.0 | 2.27E-04 |
| | T | 2.62E-05 | 7.24E-04 | 3.18E-05 | 3.18E-05 | 3.10E-05 | 3.74E-05 | 2.52E-05 | 9.34E-02 | 4.77E-06 | 4.97E-06 | 2.95E-04 |
| TESTES | G | 1.67E-48 | 2.49E-06 | 2.20E-05 | 2.20E-05 | 1.63E-05 | 3.70E-05 | 3.20E-05 | 3.63E-06 | 1.36E-02 | 1.31E-07 | 7.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.55E-01 | 0.0 | 2.27E-04 |
| | T | 1.67E-48 | 2.49E-06 | 2.20E-05 | 2.20E-05 | 1.63E-05 | 3.70E-05 | 3.20E-05 | 3.63E-06 | 4.68E-01 | 1.31E-07 | 2.98E-04 |
| THYMUS | G | 2.32E-06 | 2.06E-05 | 2.88E-05 | 2.88E-05 | 1.77E-05 | 1.45E-05 | 3.25E-05 | 1.84E-05 | 4.25E-07 | 1.66E-04 | 5.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 2.32E-06 | 2.06E-05 | 2.88E-05 | 2.88E-05 | 1.77E-05 | 1.45E-05 | 3.25E-05 | 1.84E-05 | 4.25E-07 | 1.66E-04 | 2.86E-04 |
| THYROID | G | 6.88E-07 | 6.87E-06 | 4.13E-05 | 4.13E-05 | 3.43E-05 | 1.79E-05 | 3.16E-05 | 5.62E-06 | 1.31E-07 | 1.83E-02 | 5.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.96E-01 | 2.27E-04 |
| | T | 6.88E-07 | 6.87E-06 | 4.13E-05 | 4.13E-05 | 3.43E-05 | 1.79E-05 | 3.16E-05 | 5.62E-06 | 1.31E-07 | 8.14E-01 | 2.82E-04 |
| UTERUS | G | 6.84E-04 | 2.39E-05 | 2.24E-05 | 2.24E-05 | 7.26E-05 | 2.53E-05 | 2.17E-05 | 1.79E-05 | 1.67E-48 | 6.53E-07 | 6.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-04 |
| | T | 6.84E-04 | 2.39E-05 | 2.24E-05 | 2.24E-05 | 7.26E-05 | 2.53E-05 | 2.17E-05 | 1.79E-05 | 1.67E-48 | 6.53E-07 | 2.95E-04 |
| T BODY | G | 7.58E-05 | 7.43E-05 | 5.44E-05 | 5.44E-05 | 6.05E-05 | 4.88E-05 | 3.47E-05 | 6.42E-05 | 5.41E-05 | 4.96E-05 | 5.48E-05 |
| | B | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 | 2.27E-04 |
| | T | 3.03E-04 | 3.02E-04 | 2.82E-04 | 2.82E-04 | 2.88E-04 | 2.76E-04 | 2.62E-04 | 2.92E-04 | 2.82E-04 | 2.77E-04 | 2.82E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-BACKLIN, A. AND FOGELBERG, B., NUCL. PHYS. A96, 539 (1967)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 49-INDIUM-111 (TR=2.810E 00 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.46E-02 | 1.36E-05 | 1.74E-04 | 1.05E-04 | 6.61E-05 | 3.19E-05 | 8.14E-04 | 3.70E-04 | 1.82E-04 | 1.82E-04 | 1.15E-04 |
| | B | 1.32E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.77E-01 | 1.36E-05 | 1.74E-04 | 1.05E-04 | 6.61E-05 | 3.19E-05 | 8.14E-04 | 3.70E-04 | 1.82E-04 | 1.82E-04 | 1.15E-04 |
| BLAD WALL | G | 8.69E-06 | 6.21E-03 | 1.79E-05 | 1.92E-04 | 1.54E-04 | 4.79E-04 | 2.24E-05 | 1.24E-05 | 3.58E-06 | 3.58E-06 | 1.32E-04 |
| | B | 0.0 | 4.62E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.69E-06 | 1.08E-02 | 1.79E-05 | 1.92E-04 | 1.54E-04 | 4.79E-04 | 2.24E-05 | 1.24E-05 | 3.58E-06 | 3.58E-06 | 1.32E-04 |
| GI TRACT S WALL | G | 2.10E-04 | 2.03E-05 | 4.39E-03 | 2.70E-04 | 2.79E-04 | 1.29E-04 | 2.46E-04 | 1.39E-04 | 1.37E-04 | 1.37E-04 | 1.02E-04 |
| | B | 0.0 | 0.0 | 3.70E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.10E-04 | 2.03E-05 | 8.08E-03 | 2.70E-04 | 2.79E-04 | 1.29E-04 | 2.46E-04 | 1.39E-04 | 1.37E-04 | 1.37E-04 | 1.02E-04 |
| SI+CONT | G | 6.11E-05 | 2.07E-04 | 1.90E-04 | 2.64E-03 | 1.30E-03 | 7.27E-04 | 2.07E-04 | 1.20E-04 | 1.46E-05 | 1.46E-05 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 2.31E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.11E-05 | 2.07E-04 | 1.90E-04 | 4.95E-03 | 1.30E-03 | 7.27E-04 | 2.07E-04 | 1.20E-04 | 1.46E-05 | 1.46E-05 | 1.15E-04 |
| ULI WALL | G | 6.66E-05 | 1.66E-04 | 2.59E-04 | 1.99E-03 | 3.68E-03 | 3.31E-04 | 2.07E-04 | 1.80E-04 | 1.78E-05 | 1.78E-05 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.20E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.66E-05 | 1.66E-04 | 2.59E-04 | 1.99E-03 | 7.89E-03 | 3.31E-04 | 2.07E-04 | 1.80E-04 | 1.78E-05 | 1.78E-05 | 1.21E-04 |
| LLI WALL | G | 1.69E-05 | 5.24E-04 | 9.17E-05 | 5.69E-04 | 2.28E-04 | 4.47E-03 | 5.92E-05 | 1.74E-05 | 7.25E-06 | 7.25E-06 | 1.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.85E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.69E-05 | 5.24E-04 | 9.17E-05 | 5.69E-04 | 2.28E-04 | 1.13E-02 | 5.92E-05 | 1.74E-05 | 7.25E-06 | 7.25E-06 | 1.25E-04 |
| KIDNEYS | G | 8.98E-04 | 2.05E-05 | 2.52E-04 | 2.22E-04 | 1.99E-04 | 6.69E-05 | 6.51E-03 | 2.82E-04 | 6.36E-05 | 6.36E-05 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.97E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.98E-04 | 2.05E-05 | 2.52E-04 | 2.22E-04 | 1.99E-04 | 6.69E-05 | 1.25E-02 | 2.82E-04 | 6.36E-05 | 6.36E-05 | 1.06E-04 |
| LIVER | G | 3.69E-04 | 1.51E-05 | 1.42E-04 | 1.34E-04 | 1.88E-04 | 2.02E-05 | 2.82E-04 | 2.15E-03 | 1.84E-04 | 1.84E-04 | 8.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.03E-03 | 0.0 | 0.0 | 0.0 |
| | T | 3.69E-04 | 1.51E-05 | 1.42E-04 | 1.34E-04 | 1.88E-04 | 2.02E-05 | 2.82E-04 | 3.18E-03 | 1.84E-04 | 1.84E-04 | 8.05E-05 |
| LUNGS | G | 1.81E-04 | 1.97E-06 | 1.26E-04 | 1.81E-05 | 1.98E-05 | 6.21E-06 | 6.09E-05 | 1.88E-04 | 1.40E-03 | 1.40E-03 | 1.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-03 | 1.85E-03 | 0.0 |
| | T | 1.81E-04 | 1.97E-06 | 1.26E-04 | 1.81E-05 | 1.98E-05 | 6.21E-06 | 6.09E-05 | 1.88E-04 | 3.24E-03 | 3.24E-03 | 1.02E-04 |
| RESP LYM NODE | G | 1.81E-04 | 1.97E-06 | 1.26E-04 | 1.81E-05 | 1.98E-05 | 6.21E-06 | 6.09E-05 | 1.88E-04 | 1.38E-03 | 1.40E-03 | 1.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.49E-03 | 1.23E-01 | 0.0 |
| | T | 1.81E-04 | 1.97E-06 | 1.26E-04 | 1.81E-05 | 1.98E-05 | 6.21E-06 | 6.09E-05 | 1.88E-04 | 2.88E-03 | 1.25E-01 | 1.02E-04 |
| MUSCLE* | G | 1.15E-04 | 1.32E-04 | 1.04E-04 | 1.15E-04 | 1.09E-04 | 1.25E-04 | 1.06E-04 | 8.05E-05 | 1.02E-04 | 1.02E-04 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.60E-05 |
| | T | 1.15E-04 | 1.32E-04 | 1.04E-04 | 1.15E-04 | 1.09E-04 | 1.25E-04 | 1.06E-04 | 8.05E-05 | 1.02E-04 | 1.02E-04 | 1.80E-04 |
| OVARIES | G | 4.20E-05 | 5.41E-04 | 3.20E-05 | 7.89E-04 | 8.87E-04 | 1.53E-03 | 8.63E-05 | 3.30E-05 | 8.57E-06 | 8.57E-06 | 1.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.20E-05 | 5.41E-04 | 3.20E-05 | 7.89E-04 | 8.87E-04 | 1.53E-03 | 8.63E-05 | 3.30E-05 | 8.57E-06 | 8.57E-06 | 1.52E-04 |

49-INDIUM-111 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 6.30E-04 | 2.06E-05 | 1.37E-03 | 1.47E-04 | 1.69E-04 | 5.08E-05 | 4.69E-04 | 2.90E-04 | 1.85E-04 | 1.85E-04 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.30E-04 | 2.06E-05 | 1.37E-03 | 1.47E-04 | 1.69E-04 | 5.08E-05 | 4.69E-04 | 2.90E-04 | 1.85E-04 | 1.85E-04 | 1.37E-04 |
| SKELETON BONE | G | 1.25E-04 | 5.56E-05 | 5.48E-05 | 7.60E-05 | 6.84E-05 | 1.02E-04 | 8.83E-05 | 6.89E-05 | 9.11E-05 | 9.11E-05 | 7.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.25E-04 | 5.56E-05 | 5.48E-05 | 7.60E-05 | 6.84E-05 | 1.02E-04 | 8.83E-05 | 6.89E-05 | 9.11E-05 | 9.11E-05 | 7.61E-05 |
| R MARROW | G | 2.26E-04 | 1.27E-04 | 9.71E-05 | 2.53E-04 | 2.18E-04 | 3.18E-04 | 2.30E-04 | 9.88E-05 | 1.15E-04 | 1.15E-04 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.26E-04 | 1.27E-04 | 9.71E-05 | 2.53E-04 | 2.18E-04 | 3.18E-04 | 2.30E-04 | 9.88E-05 | 1.15E-04 | 1.15E-04 | 1.27E-04 |
| Y MARROW | G | 1.20E-04 | 5.16E-05 | 7.63E-05 | 1.06E-04 | 9.77E-05 | 1.26E-04 | 1.09E-04 | 1.02E-04 | 9.52E-05 | 9.52E-05 | 9.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.20E-04 | 5.16E-05 | 7.63E-05 | 1.06E-04 | 9.77E-05 | 1.26E-04 | 1.09E-04 | 1.02E-04 | 9.52E-05 | 9.52E-05 | 9.90E-05 |
| T E CL | G | 1.25E-04 | 5.56E-05 | 5.48E-05 | 7.60E-05 | 6.84E-05 | 1.02E-04 | 8.83E-05 | 6.89E-05 | 9.11E-05 | 9.11E-05 | 7.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.25E-04 | 5.56E-05 | 5.48E-05 | 7.60E-05 | 6.84E-05 | 1.02E-04 | 8.83E-05 | 6.89E-05 | 9.11E-05 | 9.11E-05 | 7.61E-05 |
| SKIN | G | 4.24E-05 | 4.12E-05 | 3.45E-05 | 3.28E-05 | 3.29E-05 | 3.82E-05 | 4.26E-05 | 3.84E-05 | 4.27E-05 | 4.27E-05 | 6.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.24E-05 | 4.12E-05 | 3.45E-05 | 3.28E-05 | 3.29E-05 | 3.82E-05 | 4.26E-05 | 3.84E-05 | 4.27E-05 | 4.27E-05 | 6.09E-05 |
| SPLEEN | G | 4.84E-04 | 1.83E-05 | 7.33E-04 | 1.11E-04 | 9.98E-05 | 5.66E-05 | 6.62E-04 | 6.70E-05 | 1.70E-04 | 1.70E-04 | 1.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.84E-04 | 1.83E-05 | 7.33E-04 | 1.11E-04 | 9.98E-05 | 5.66E-05 | 6.62E-04 | 6.70E-05 | 1.70E-04 | 1.70E-04 | 1.10E-04 |
| TESTES | G | 3.28E-06 | 3.31E-04 | 4.29E-06 | 2.48E-05 | 2.34E-05 | 1.43E-04 | 8.21E-06 | 5.94E-06 | 9.24E-07 | 9.24E-07 | 8.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.28E-06 | 3.31E-04 | 4.29E-06 | 2.48E-05 | 2.34E-05 | 1.43E-04 | 8.21E-06 | 5.94E-06 | 9.24E-07 | 9.24E-07 | 8.62E-05 |
| THYMUS | G | 3.11E-05 | 1.24E-06 | 1.78E-05 | 7.55E-06 | 8.55E-06 | 2.72E-06 | 1.53E-05 | 4.98E-05 | 2.95E-04 | 2.95E-04 | 2.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.11E-05 | 1.24E-06 | 1.78E-05 | 7.55E-06 | 8.55E-06 | 2.72E-06 | 1.53E-05 | 4.98E-05 | 2.95E-04 | 2.95E-04 | 2.07E-04 |
| THYROID | G | 1.13E-05 | 2.79E-07 | 8.37E-06 | 1.64E-06 | 1.80E-06 | 6.45E-07 | 4.71E-06 | 1.49E-05 | 6.31E-05 | 6.31E-05 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.13E-05 | 2.79E-07 | 8.37E-06 | 1.64E-06 | 1.80E-06 | 6.45E-07 | 4.71E-06 | 1.49E-05 | 6.31E-05 | 6.31E-05 | 1.04E-04 |
| UTERUS | G | 1.40E-04 | 1.17E-03 | 5.87E-05 | 6.92E-04 | 3.49E-04 | 5.04E-04 | 7.41E-05 | 2.82E-05 | 6.77E-06 | 6.77E-06 | 1.79E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.40E-04 | 1.17E-03 | 5.87E-05 | 6.92E-04 | 3.49E-04 | 5.04E-04 | 7.41E-05 | 2.82E-05 | 6.77E-06 | 6.77E-06 | 1.79E-04 |
| T BODY | G | 1.31E-04 | 1.46E-04 | 1.38E-04 | 1.54E-04 | 1.50E-04 | 1.50E-04 | 1.32E-04 | 1.33E-04 | 1.16E-04 | 1.16E-04 | 1.08E-04 |
| | B | 2.64E-05 | 2.97E-06 | 7.93E-06 | 2.11E-05 | 1.26E-05 | 1.57E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 |
| | T | 1.58E-04 | 1.49E-04 | 1.46E-04 | 1.76E-04 | 1.63E-04 | 1.65E-04 | 1.58E-04 | 1.59E-04 | 1.43E-04 | 1.43E-04 | 1.34E-04 |

CONTINUED NEXT PAGE

49-INDIUM-111 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.76E-05 | 6.19E-04 | 9.35E-05 | 9.35E-05 | 1.89E-04 | 1.00E-04 | 5.85E-05 | 4.74E-04 | 3.28E-06 | 1.13E-05 | 1.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 2.76E-05 | 6.19E-04 | 9.35E-05 | 9.35E-05 | 1.89E-04 | 1.00E-04 | 5.85E-05 | 4.74E-04 | 3.28E-06 | 1.13E-05 | 1.67E-04 |
| BLAD WALL | G | 5.04E-04 | 1.12E-05 | 3.55E-05 | 3.55E-05 | 5.79E-05 | 2.66E-05 | 3.89E-05 | 1.14E-05 | 3.50E-04 | 2.82E-07 | 1.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 5.04E-04 | 1.12E-05 | 3.55E-05 | 3.55E-05 | 5.79E-05 | 2.66E-05 | 3.89E-05 | 1.14E-05 | 3.50E-04 | 2.82E-07 | 1.65E-04 |
| GI TRACT S WALL | G | 5.70E-05 | 1.41E-03 | 4.15E-05 | 4.15E-05 | 7.70E-05 | 5.44E-05 | 4.08E-05 | 7.09E-04 | 3.63E-06 | 3.52E-06 | 1.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 5.70E-05 | 1.41E-03 | 4.15E-05 | 4.15E-05 | 7.70E-05 | 5.44E-05 | 4.08E-05 | 7.09E-04 | 3.63E-06 | 3.52E-06 | 1.70E-04 |
| SI+CONT | G | 9.12E-04 | 1.32E-04 | 5.51E-05 | 5.51E-05 | 1.89E-04 | 7.70E-05 | 3.48E-05 | 1.02E-04 | 2.98E-05 | 9.99E-07 | 1.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 9.12E-04 | 1.32E-04 | 5.51E-05 | 5.51E-05 | 1.89E-04 | 7.70E-05 | 3.48E-05 | 1.02E-04 | 2.98E-05 | 9.99E-07 | 1.80E-04 |
| ULI WALL | G | 8.97E-04 | 1.58E-04 | 5.30E-05 | 5.30E-05 | 1.53E-04 | 6.85E-05 | 3.44E-05 | 9.18E-05 | 2.53E-05 | 7.96E-07 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 8.97E-04 | 1.58E-04 | 5.30E-05 | 5.30E-05 | 1.53E-04 | 6.85E-05 | 3.44E-05 | 9.18E-05 | 2.53E-05 | 7.96E-07 | 1.68E-04 |
| LLI WALL | G | 1.16E-03 | 4.07E-05 | 7.73E-05 | 7.73E-05 | 2.16E-04 | 6.64E-05 | 3.62E-05 | 4.55E-05 | 2.00E-04 | 5.26E-07 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 1.16E-03 | 4.07E-05 | 7.73E-05 | 7.73E-05 | 2.16E-04 | 6.64E-05 | 3.62E-05 | 4.55E-05 | 2.00E-04 | 5.26E-07 | 1.61E-04 |
| KIDNEYS | G | 6.97E-05 | 4.66E-04 | 6.51E-05 | 6.51E-05 | 1.62E-04 | 7.98E-05 | 4.72E-05 | 6.75E-04 | 4.12E-06 | 2.78E-06 | 1.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 6.97E-05 | 4.66E-04 | 6.51E-05 | 6.51E-05 | 1.62E-04 | 7.98E-05 | 4.72E-05 | 6.75E-04 | 4.12E-06 | 2.78E-06 | 1.59E-04 |
| LIVER | G | 4.15E-05 | 3.18E-04 | 4.85E-05 | 4.85E-05 | 7.03E-05 | 7.26E-05 | 4.14E-05 | 7.30E-05 | 2.86E-06 | 8.41E-06 | 1.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 4.15E-05 | 3.18E-04 | 4.85E-05 | 4.85E-05 | 7.03E-05 | 7.26E-05 | 4.14E-05 | 7.30E-05 | 2.86E-06 | 8.41E-06 | 1.56E-04 |
| LUNGS | G | 5.19E-06 | 1.82E-04 | 7.11E-05 | 7.11E-05 | 8.78E-05 | 7.16E-05 | 4.61E-05 | 1.66E-04 | 8.06E-07 | 6.85E-05 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 5.19E-06 | 1.82E-04 | 7.11E-05 | 7.11E-05 | 8.78E-05 | 7.16E-05 | 4.61E-05 | 1.66E-04 | 8.06E-07 | 6.85E-05 | 1.41E-04 |
| RESP LYM NODE | G | 5.19E-06 | 1.82E-04 | 7.11E-05 | 7.11E-05 | 8.78E-05 | 7.16E-05 | 4.61E-05 | 1.66E-04 | 8.06E-07 | 6.85E-05 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 5.19E-06 | 1.82E-04 | 7.11E-05 | 7.11E-05 | 8.78E-05 | 7.16E-05 | 4.61E-05 | 1.66E-04 | 8.06E-07 | 6.85E-05 | 1.41E-04 |
| MUSCLE* | G | 1.52E-04 | 1.37E-04 | 7.61E-05 | 7.61E-05 | 9.13E-05 | 6.86E-05 | 6.09E-05 | 1.10E-04 | 8.62E-05 | 1.04E-04 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 1.52E-04 | 1.37E-04 | 7.61E-05 | 7.61E-05 | 9.13E-05 | 6.86E-05 | 6.09E-05 | 1.10E-04 | 8.62E-05 | 1.04E-04 | 1.34E-04 |
| OVARIES | G | 7.60E-02 | 2.42E-05 | 5.39E-05 | 5.39E-05 | 1.84E-04 | 1.00E-04 | 3.27E-05 | 4.16E-05 | 2.02E-46 | 6.11E-07 | 1.43E-04 |
| | B | 1.68E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 2.44E-01 | 2.42E-05 | 5.39E-05 | 5.39E-05 | 1.84E-04 | 1.00E-04 | 3.27E-05 | 4.16E-05 | 2.02E-46 | 6.11E-07 | 1.69E-04 |

49-INDIUM-111 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.57E-05 | 1.97E-02 | 7.42E-05 | 7.42E-05 | 1.17E-04 | 9.26E-05 | 3.96E-05 | 1.47E-03 | 4.93E-06 | 7.10E-06 | 1.62E-04 |
| | B | 0.0 | 1.85E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 3.57E-05 | 3.82E-02 | 7.42E-05 | 7.42E-05 | 1.17E-04 | 9.26E-05 | 3.96E-05 | 1.47E-03 | 4.93E-06 | 7.10E-06 | 1.88E-04 |
| SKELETON BONE | G | 9.07E-05 | 8.55E-05 | 3.46E-04 | 3.46E-04 | 2.28E-04 | 2.58E-04 | 6.92E-05 | 7.03E-05 | 5.64E-05 | 6.27E-05 | 1.38E-04 |
| | B | 0.0 | 0.0 | 3.70E-04 | 2.75E-04 | 6.30E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 9.07E-05 | 8.55E-05 | 7.16E-04 | 6.22E-04 | 2.91E-04 | 2.58E-04 | 6.92E-05 | 7.03E-05 | 5.64E-05 | 6.27E-05 | 1.64E-04 |
| R MARROW | G | 3.16E-04 | 1.64E-04 | 3.15E-04 | 3.15E-04 | 7.77E-04 | 2.66E-04 | 6.55E-05 | 1.06E-04 | 4.58E-05 | 6.86E-05 | 1.57E-04 |
| | B | 0.0 | 0.0 | 4.35E-06 | 3.15E-04 | 1.01E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 3.16E-04 | 1.64E-04 | 3.19E-04 | 6.30E-04 | 1.79E-03 | 2.66E-04 | 6.55E-05 | 1.06E-04 | 4.58E-05 | 6.86E-05 | 1.84E-04 |
| Y MARROW | G | 1.22E-04 | 9.94E-05 | 3.05E-04 | 3.05E-04 | 2.92E-04 | 4.60E-04 | 7.36E-05 | 1.04E-04 | 2.19E-05 | 3.26E-05 | 1.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 1.22E-04 | 9.94E-05 | 3.05E-04 | 3.05E-04 | 2.92E-04 | 1.69E-03 | 7.36E-05 | 1.04E-04 | 2.19E-05 | 3.26E-05 | 1.56E-04 |
| T E CL | G | 9.07E-05 | 8.55E-05 | 3.45E-04 | 3.45E-04 | 3.19E-04 | 2.91E-04 | 6.92E-05 | 7.03E-05 | 5.64E-05 | 6.27E-05 | 1.38E-04 |
| | B | 0.0 | 0.0 | 1.91E-04 | 3.60E-04 | 3.76E-04 | 3.08E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 9.07E-05 | 8.55E-05 | 5.36E-04 | 7.05E-04 | 6.95E-04 | 5.99E-04 | 6.92E-05 | 7.03E-05 | 5.64E-05 | 6.27E-05 | 1.65E-04 |
| SKIN | G | 3.25E-05 | 3.14E-05 | 5.41E-05 | 5.41E-05 | 4.91E-05 | 6.05E-05 | 1.69E-04 | 3.70E-05 | 1.17E-04 | 6.05E-05 | 6.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.11E-04 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 3.25E-05 | 3.14E-05 | 5.41E-05 | 5.41E-05 | 4.91E-05 | 6.05E-05 | 8.81E-04 | 3.70E-05 | 1.17E-04 | 6.05E-05 | 8.93E-05 |
| SPLEEN | G | 3.96E-05 | 1.49E-03 | 4.80E-05 | 4.80E-05 | 6.59E-05 | 7.59E-05 | 4.18E-05 | 1.17E-02 | 2.14E-06 | 8.49E-06 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.03E-02 | 0.0 | 0.0 | 2.64E-05 |
| | T | 3.96E-05 | 1.49E-03 | 4.80E-05 | 4.80E-05 | 6.59E-05 | 7.59E-05 | 4.18E-05 | 2.19E-02 | 2.14E-06 | 8.49E-06 | 1.63E-04 |
| TESTES | G | 2.02E-46 | 5.10E-06 | 4.47E-05 | 4.47E-05 | 2.45E-05 | 7.71E-05 | 8.10E-05 | 4.76E-06 | 3.35E-02 | 7.87E-08 | 9.13E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.28E-02 | 0.0 | 2.64E-05 |
| | T | 2.02E-46 | 5.10E-06 | 4.47E-05 | 4.47E-05 | 2.45E-05 | 7.71E-05 | 8.10E-05 | 4.76E-06 | 8.63E-02 | 7.87E-08 | 1.18E-04 |
| THYMUS | G | 2.74E-06 | 5.54E-05 | 3.62E-05 | 3.62E-05 | 5.44E-05 | 5.20E-05 | 5.04E-05 | 2.61E-05 | 3.36E-07 | 3.08E-04 | 1.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 2.74E-06 | 5.54E-05 | 3.62E-05 | 3.62E-05 | 5.44E-05 | 5.20E-05 | 5.04E-05 | 2.61E-05 | 3.36E-07 | 3.08E-04 | 1.99E-04 |
| THYROID | G | 6.12E-07 | 1.07E-05 | 6.61E-05 | 6.61E-05 | 5.27E-05 | 8.34E-05 | 5.73E-05 | 8.07E-06 | 7.87E-08 | 4.59E-02 | 9.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.25E-02 | 2.64E-05 |
| | T | 6.12E-07 | 1.07E-05 | 6.61E-05 | 6.61E-05 | 5.27E-05 | 8.34E-05 | 5.73E-05 | 8.07E-06 | 7.87E-08 | 1.38E-01 | 1.24E-04 |
| UTERUS | G | 1.56E-03 | 4.44E-05 | 4.40E-05 | 4.40E-05 | 1.62E-04 | 4.61E-05 | 2.93E-05 | 2.88E-05 | 2.02E-46 | 5.71E-07 | 1.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.64E-05 |
| | T | 1.56E-03 | 4.44E-05 | 4.40E-05 | 4.40E-05 | 1.62E-04 | 4.61E-05 | 2.93E-05 | 2.88E-05 | 2.02E-46 | 5.71E-07 | 1.87E-04 |
| T BODY | G | 1.58E-04 | 1.54E-04 | 1.14E-04 | 1.14E-04 | 1.26E-04 | 1.01E-04 | 6.39E-05 | 1.33E-04 | 1.08E-04 | 1.01E-04 | 1.12E-04 |
| | B | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 | 2.64E-05 |
| | T | 1.84E-04 | 1.81E-04 | 1.41E-04 | 1.41E-04 | 1.52E-04 | 1.27E-04 | 9.03E-05 | 1.59E-04 | 1.34E-04 | 1.28E-04 | 1.38E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-APRIL 1971

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 49-INDIUM-113M (TR=9.940E 01 MIN)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.32E-02 | 9.49E-06 | 9.66E-05 | 5.98E-05 | 4.23E-05 | 2.10E-05 | 5.22E-04 | 2.20E-04 | 1.07E-04 | 1.07E-04 | 6.84E-05 |
| | B | 5.22E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.45E-01 | 9.49E-06 | 9.66E-05 | 5.98E-05 | 4.23E-05 | 2.10E-05 | 5.22E-04 | 2.20E-04 | 1.07E-04 | 1.07E-04 | 6.84E-05 |
| BLAD WALL | G | 4.86E-06 | 3.49E-03 | 1.61E-05 | 1.36E-04 | 8.69E-05 | 2.64E-04 | 1.55E-05 | 1.21E-05 | 2.85E-06 | 2.85E-06 | 7.90E-05 |
| | B | 0.0 | 1.83E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.86E-06 | 2.18E-02 | 1.61E-05 | 1.36E-04 | 8.69E-05 | 2.64E-04 | 1.55E-05 | 1.21E-05 | 2.85E-06 | 2.85E-06 | 7.90E-05 |
| GI TRACT S WALL | G | 1.28E-04 | 1.33E-05 | 2.45E-03 | 1.54E-04 | 1.63E-04 | 7.88E-05 | 1.47E-04 | 8.36E-05 | 8.15E-05 | 8.15E-05 | 6.24E-05 |
| | B | 0.0 | 0.0 | 1.46E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-04 | 1.33E-05 | 1.71E-02 | 1.54E-04 | 1.63E-04 | 7.88E-05 | 1.47E-04 | 8.36E-05 | 8.15E-05 | 8.15E-05 | 6.24E-05 |
| SI+CONT | G | 4.00E-05 | 1.18E-04 | 1.15E-04 | 1.47E-03 | 7.48E-04 | 4.13E-04 | 1.22E-04 | 7.08E-05 | 1.08E-05 | 1.08E-05 | 6.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 9.14E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.00E-05 | 1.18E-04 | 1.15E-04 | 1.06E-02 | 7.48E-04 | 4.13E-04 | 1.22E-04 | 7.08E-05 | 1.08E-05 | 1.08E-05 | 6.88E-05 |
| ULI WALL | G | 4.35E-05 | 1.03E-04 | 1.50E-04 | 1.09E-03 | 2.03E-03 | 1.92E-04 | 1.26E-04 | 1.11E-04 | 1.43E-05 | 1.43E-05 | 7.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.35E-05 | 1.03E-04 | 1.50E-04 | 1.09E-03 | 1.86E-02 | 1.92E-04 | 1.26E-04 | 1.11E-04 | 1.43E-05 | 1.43E-05 | 7.24E-05 |
| LLI WALL | G | 1.35E-05 | 3.12E-04 | 5.58E-05 | 3.16E-04 | 1.33E-04 | 2.46E-03 | 3.79E-05 | 1.28E-05 | 3.96E-06 | 3.96E-06 | 7.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.71E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-05 | 3.12E-04 | 5.58E-05 | 3.16E-04 | 1.33E-04 | 2.95E-02 | 3.79E-05 | 1.28E-05 | 3.96E-06 | 3.96E-06 | 7.51E-05 |
| KIDNEYS | G | 5.23E-04 | 1.51E-05 | 1.48E-04 | 1.36E-04 | 1.19E-04 | 3.82E-05 | 3.54E-03 | 1.67E-04 | 4.30E-05 | 4.30E-05 | 6.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.36E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.23E-04 | 1.51E-05 | 1.48E-04 | 1.36E-04 | 1.19E-04 | 3.82E-05 | 2.71E-02 | 1.67E-04 | 4.30E-05 | 4.30E-05 | 6.37E-05 |
| LIVER | G | 2.18E-04 | 1.12E-05 | 8.78E-05 | 7.99E-05 | 1.10E-04 | 1.41E-05 | 1.73E-04 | 1.21E-03 | 1.08E-04 | 1.08E-04 | 4.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.06E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.18E-04 | 1.12E-05 | 8.78E-05 | 7.99E-05 | 1.10E-04 | 1.41E-05 | 1.73E-04 | 5.27E-03 | 1.08E-04 | 1.08E-04 | 4.90E-05 |
| LUNGS | G | 1.05E-04 | 1.73E-06 | 7.92E-05 | 1.33E-05 | 1.37E-05 | 4.18E-06 | 3.96E-05 | 1.09E-04 | 7.29E-04 | 7.29E-04 | 6.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-03 | 7.31E-03 | 0.0 |
| | T | 1.05E-04 | 1.73E-06 | 7.92E-05 | 1.33E-05 | 1.37E-05 | 4.18E-06 | 3.96E-05 | 1.09E-04 | 8.04E-03 | 8.04E-03 | 6.02E-05 |
| RESP LYM NODE | G | 1.05E-04 | 1.73E-06 | 7.92E-05 | 1.33E-05 | 1.37E-05 | 4.18E-06 | 3.96E-05 | 1.09E-04 | 7.26E-04 | 7.29E-04 | 6.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.22E-03 | 4.87E-01 | 0.0 |
| | T | 1.05E-04 | 1.73E-06 | 7.92E-05 | 1.33E-05 | 1.37E-05 | 4.18E-06 | 3.96E-05 | 1.09E-04 | 7.95E-03 | 4.88E-01 | 6.02E-05 |
| MUSCLE* | G | 6.84E-05 | 7.90E-05 | 6.24E-05 | 6.88E-05 | 6.54E-05 | 7.51E-05 | 6.37E-05 | 4.90E-05 | 6.02E-05 | 6.02E-05 | 6.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.61E-04 |
| | T | 6.84E-05 | 7.90E-05 | 6.24E-05 | 6.88E-05 | 6.54E-05 | 7.51E-05 | 6.37E-05 | 4.90E-05 | 6.02E-05 | 6.02E-05 | 3.29E-04 |
| OVARIES | G | 2.44E-05 | 2.99E-04 | 2.04E-05 | 4.21E-04 | 5.51E-04 | 7.99E-04 | 5.14E-05 | 1.33E-05 | 6.17E-06 | 6.17E-06 | 8.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.44E-05 | 2.99E-04 | 2.04E-05 | 4.21E-04 | 5.51E-04 | 7.99E-04 | 5.14E-05 | 1.33E-05 | 6.17E-06 | 6.17E-06 | 8.94E-05 |

49-INDIUM-113M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.72E-04 | 1.21E-05 | 7.94E-04 | 9.01E-05 | 8.81E-05 | 3.17E-05 | 2.85E-04 | 1.95E-04 | 1.18E-04 | 1.18E-04 | 8.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.72E-04 | 1.21E-05 | 7.94E-04 | 9.01E-05 | 8.81E-05 | 3.17E-05 | 2.85E-04 | 1.95E-04 | 1.18E-04 | 1.18E-04 | 8.08E-05 |
| SKELETON BONE | G | 6.54E-05 | 2.84E-05 | 2.87E-05 | 3.83E-05 | 3.49E-05 | 5.13E-05 | 4.65E-05 | 3.55E-05 | 4.77E-05 | 4.77E-05 | 4.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.54E-05 | 2.84E-05 | 2.87E-05 | 3.83E-05 | 3.49E-05 | 5.13E-05 | 4.65E-05 | 3.55E-05 | 4.77E-05 | 4.77E-05 | 4.78E-05 |
| R MARROW | G | 1.18E-04 | 6.23E-05 | 5.01E-05 | 1.24E-04 | 1.07E-04 | 1.57E-04 | 1.19E-04 | 5.15E-05 | 6.02E-05 | 6.02E-05 | 6.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-04 | 6.23E-05 | 5.01E-05 | 1.24E-04 | 1.07E-04 | 1.57E-04 | 1.19E-04 | 5.15E-05 | 6.02E-05 | 6.02E-05 | 6.62E-05 |
| Y MARROW | G | 6.30E-05 | 2.61E-05 | 3.98E-05 | 5.32E-05 | 4.97E-05 | 6.37E-05 | 5.76E-05 | 5.22E-05 | 5.01E-05 | 5.01E-05 | 5.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.30E-05 | 2.61E-05 | 3.98E-05 | 5.32E-05 | 4.97E-05 | 6.37E-05 | 5.76E-05 | 5.22E-05 | 5.01E-05 | 5.01E-05 | 5.31E-05 |
| T E CL | G | 6.54E-05 | 2.84E-05 | 2.87E-05 | 3.83E-05 | 3.49E-05 | 5.13E-05 | 4.65E-05 | 3.55E-05 | 4.77E-05 | 4.77E-05 | 4.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.54E-05 | 2.84E-05 | 2.87E-05 | 3.83E-05 | 3.49E-05 | 5.13E-05 | 4.65E-05 | 3.55E-05 | 4.77E-05 | 4.77E-05 | 4.78E-05 |
| SKIN | G | 2.84E-05 | 2.71E-05 | 2.40E-05 | 2.20E-05 | 2.27E-05 | 2.48E-05 | 2.80E-05 | 2.53E-05 | 2.84E-05 | 2.84E-05 | 3.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.84E-05 | 2.71E-05 | 2.40E-05 | 2.20E-05 | 2.27E-05 | 2.48E-05 | 2.80E-05 | 2.53E-05 | 2.84E-05 | 2.84E-05 | 3.90E-05 |
| SPLEEN | G | 2.88E-04 | 8.58E-06 | 4.28E-04 | 6.83E-05 | 5.62E-05 | 3.82E-05 | 3.81E-04 | 4.24E-05 | 9.73E-05 | 9.73E-05 | 6.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.88E-04 | 8.58E-06 | 4.28E-04 | 6.83E-05 | 5.62E-05 | 3.82E-05 | 3.81E-04 | 4.24E-05 | 9.73E-05 | 9.73E-05 | 6.57E-05 |
| TESTES | G | 2.69E-06 | 2.13E-04 | 1.72E-06 | 1.56E-05 | 1.93E-05 | 8.99E-05 | 6.02E-06 | 4.48E-06 | 8.77E-07 | 8.77E-07 | 5.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.69E-06 | 2.13E-04 | 1.72E-06 | 1.56E-05 | 1.93E-05 | 8.99E-05 | 6.02E-06 | 4.48E-06 | 8.77E-07 | 8.77E-07 | 5.37E-05 |
| THYMUS | G | 3.22E-05 | 1.15E-06 | 1.02E-05 | 5.57E-06 | 6.14E-06 | 2.22E-06 | 1.43E-05 | 4.71E-05 | 1.67E-04 | 1.67E-04 | 9.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.22E-05 | 1.15E-06 | 1.02E-05 | 5.57E-06 | 6.14E-06 | 2.22E-06 | 1.43E-05 | 4.71E-05 | 1.67E-04 | 1.67E-04 | 9.76E-05 |
| THYROID | G | 8.06E-06 | 3.20E-07 | 6.13E-06 | 1.47E-06 | 1.58E-06 | 6.41E-07 | 3.69E-06 | 8.72E-06 | 4.64E-05 | 4.64E-05 | 6.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.06E-06 | 3.20E-07 | 6.13E-06 | 1.47E-06 | 1.58E-06 | 6.41E-07 | 3.69E-06 | 8.72E-06 | 4.64E-05 | 4.64E-05 | 6.20E-05 |
| UTERUS | G | 4.91E-05 | 6.75E-04 | 3.78E-05 | 3.97E-04 | 2.00E-04 | 2.69E-04 | 4.04E-05 | 1.84E-05 | 4.20E-06 | 4.20E-06 | 9.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.91E-05 | 6.75E-04 | 3.78E-05 | 3.97E-04 | 2.00E-04 | 2.69E-04 | 4.04E-05 | 1.84E-05 | 4.20E-06 | 4.20E-06 | 9.33E-05 |
| T BODY | G | 7.62E-05 | 8.47E-05 | 8.04E-05 | 8.91E-05 | 8.67E-05 | 8.63E-05 | 7.67E-05 | 7.72E-05 | 6.65E-05 | 6.65E-05 | 6.44E-05 |
| | B | 1.04E-04 | 1.17E-05 | 3.13E-05 | 8.35E-05 | 4.98E-05 | 6.19E-05 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 |
| | T | 1.81E-04 | 9.64E-05 | 1.12E-04 | 1.73E-04 | 1.37E-04 | 1.48E-04 | 1.81E-04 | 1.82E-04 | 1.71E-04 | 1.71E-04 | 1.69E-04 |

CONTINUED NEXT PAGE

49-INDIUM-113M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.28E-05 | 3.71E-04 | 6.76E-05 | 6.76E-05 | 9.27E-05 | 5.38E-05 | 3.21E-05 | 2.74E-04 | 2.69E-06 | 8.06E-06 | 9.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 2.28E-05 | 3.71E-04 | 6.76E-05 | 6.76E-05 | 9.27E-05 | 5.38E-05 | 3.21E-05 | 2.74E-04 | 2.69E-06 | 8.06E-06 | 2.00E-04 |
| BLAD WALL | G | 2.96E-04 | 7.94E-06 | 2.58E-05 | 2.58E-05 | 3.09E-05 | 1.31E-05 | 2.60E-05 | 6.41E-06 | 2.18E-04 | 3.22E-07 | 8.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 2.96E-04 | 7.94E-06 | 2.58E-05 | 2.58E-05 | 3.09E-05 | 1.31E-05 | 2.60E-05 | 6.41E-06 | 2.18E-04 | 3.22E-07 | 1.86E-04 |
| GI TRACT S WALL | G | 3.58E-05 | 7.95E-04 | 2.56E-05 | 2.56E-05 | 4.52E-05 | 3.25E-05 | 2.70E-05 | 4.29E-04 | 4.00E-06 | 4.18E-06 | 8.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 3.58E-05 | 7.95E-04 | 2.56E-05 | 2.56E-05 | 4.52E-05 | 3.25E-05 | 2.70E-05 | 4.29E-04 | 4.00E-06 | 4.18E-06 | 1.87E-04 |
| SI+CONT | G | 5.33E-04 | 7.84E-05 | 3.46E-05 | 3.46E-05 | 1.17E-04 | 4.64E-05 | 2.30E-05 | 6.09E-05 | 2.15E-05 | 4.57E-07 | 8.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 5.33E-04 | 7.84E-05 | 3.46E-05 | 3.46E-05 | 1.17E-04 | 4.64E-05 | 2.30E-05 | 6.09E-05 | 2.15E-05 | 4.57E-07 | 1.94E-04 |
| ULI WALL | G | 5.13E-04 | 9.51E-05 | 3.14E-05 | 3.14E-05 | 9.16E-05 | 3.93E-05 | 2.35E-05 | 5.81E-05 | 1.47E-05 | 4.69E-07 | 8.59E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 5.13E-04 | 9.51E-05 | 3.14E-05 | 3.14E-05 | 9.16E-05 | 3.93E-05 | 2.35E-05 | 5.81E-05 | 1.47E-05 | 4.69E-07 | 1.90E-04 |
| LLI WALL | G | 6.57E-04 | 2.39E-05 | 4.37E-05 | 4.37E-05 | 1.33E-04 | 3.79E-05 | 2.46E-05 | 2.94E-05 | 1.24E-04 | 5.31E-07 | 8.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 6.57E-04 | 2.39E-05 | 4.37E-05 | 4.37E-05 | 1.33E-04 | 3.79E-05 | 2.46E-05 | 2.94E-05 | 1.24E-04 | 5.31E-07 | 1.89E-04 |
| KIDNEYS | G | 4.68E-05 | 2.75E-04 | 3.99E-05 | 3.99E-05 | 1.02E-04 | 5.14E-05 | 3.14E-05 | 3.88E-04 | 3.71E-06 | 1.97E-06 | 7.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 4.68E-05 | 2.75E-04 | 3.99E-05 | 3.99E-05 | 1.02E-04 | 5.14E-05 | 3.14E-05 | 3.88E-04 | 3.71E-06 | 1.97E-06 | 1.83E-04 |
| LIVER | G | 2.63E-05 | 1.85E-04 | 3.04E-05 | 3.04E-05 | 4.40E-05 | 4.64E-05 | 2.80E-05 | 4.59E-05 | 2.07E-06 | 6.28E-06 | 7.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 2.63E-05 | 1.85E-04 | 3.04E-05 | 3.04E-05 | 4.40E-05 | 4.64E-05 | 2.80E-05 | 4.59E-05 | 2.07E-06 | 6.28E-06 | 1.82E-04 |
| LUNGS | G | 4.23E-06 | 1.07E-04 | 4.32E-05 | 4.32E-05 | 5.31E-05 | 4.37E-05 | 2.93E-05 | 9.81E-05 | 5.89E-07 | 4.45E-05 | 6.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 4.23E-06 | 1.07E-04 | 4.32E-05 | 4.32E-05 | 5.31E-05 | 4.37E-05 | 2.93E-05 | 9.81E-05 | 5.89E-07 | 4.45E-05 | 1.73E-04 |
| RESP LYM NODE | G | 4.23E-06 | 1.07E-04 | 4.32E-05 | 4.32E-05 | 5.31E-05 | 4.37E-05 | 2.93E-05 | 9.81E-05 | 5.89E-07 | 4.45E-05 | 6.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 4.23E-06 | 1.07E-04 | 4.32E-05 | 4.32E-05 | 5.31E-05 | 4.37E-05 | 2.93E-05 | 9.81E-05 | 5.89E-07 | 4.45E-05 | 1.73E-04 |
| MUSCLE* | G | 8.94E-05 | 8.08E-05 | 4.78E-05 | 4.78E-05 | 5.67E-05 | 4.40E-05 | 3.90E-05 | 6.57E-05 | 5.37E-05 | 6.20E-05 | 6.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 8.94E-05 | 8.08E-05 | 4.78E-05 | 4.78E-05 | 5.67E-05 | 4.40E-05 | 3.90E-05 | 6.57E-05 | 5.37E-05 | 6.20E-05 | 1.69E-04 |
| OVARIES | G | 3.90E-02 | 1.53E-05 | 4.15E-05 | 4.15E-05 | 1.36E-04 | 4.61E-05 | 1.62E-05 | 3.86E-05 | 6.55E-47 | 6.28E-07 | 7.95E-05 |
| | B | 6.64E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 7.03E-01 | 1.53E-05 | 4.15E-05 | 4.15E-05 | 1.36E-04 | 4.61E-05 | 1.62E-05 | 3.86E-05 | 6.55E-47 | 6.28E-07 | 1.84E-04 |

49-INDIUM-113M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 2.30E-05 | 1.05E-02 | 4.26E-05 | 4.26E-05 | 7.34E-05 | 5.77E-05 | 2.55E-05 | 8.72E-04 | 2.26E-06 | 3.65E-06 | 8.59E-05 |
| | B | 0.0 | 7.31E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 2.30E-05 | 8.36E-02 | 4.26E-05 | 4.26E-05 | 7.34E-05 | 5.77E-05 | 2.55E-05 | 8.72E-04 | 2.26E-06 | 3.65E-06 | 1.90E-04 |
| SKELETON BONE | G | 4.53E-05 | 4.39E-05 | 1.75E-04 | 1.75E-04 | 1.16E-04 | 1.30E-04 | 3.89E-05 | 3.67E-05 | 3.06E-05 | 3.45E-05 | 7.24E-05 |
| | B | 0.0 | 0.0 | 1.46E-03 | 9.10E-04 | 3.68E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 4.53E-05 | 4.39E-05 | 1.64E-03 | 1.09E-03 | 4.84E-04 | 1.30E-04 | 3.89E-05 | 3.67E-05 | 3.06E-05 | 3.45E-05 | 1.77E-04 |
| R MARROW | G | 1.54E-04 | 8.35E-05 | 1.57E-04 | 1.57E-04 | 3.85E-04 | 1.35E-04 | 3.64E-05 | 5.47E-05 | 2.46E-05 | 3.81E-05 | 8.07E-05 |
| | B | 0.0 | 0.0 | 4.80E-05 | 1.84E-03 | 3.52E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 1.54E-04 | 8.35E-05 | 2.05E-04 | 2.00E-03 | 3.90E-03 | 1.35E-04 | 3.64E-05 | 5.47E-05 | 2.46E-05 | 3.81E-05 | 1.85E-04 |
| Y MARROW | G | 6.06E-05 | 5.14E-05 | 1.53E-04 | 1.53E-04 | 1.46E-04 | 2.28E-04 | 4.13E-05 | 5.47E-05 | 1.26E-05 | 1.82E-05 | 6.79E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.87E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 6.06E-05 | 5.14E-05 | 1.53E-04 | 1.53E-04 | 1.46E-04 | 5.10E-03 | 4.13E-05 | 5.47E-05 | 1.26E-05 | 1.82E-05 | 1.72E-04 |
| T E CL | G | 4.53E-05 | 4.39E-05 | 1.75E-04 | 1.75E-04 | 1.60E-04 | 1.46E-04 | 3.89E-05 | 3.67E-05 | 3.06E-05 | 3.45E-05 | 7.24E-05 |
| | B | 0.0 | 0.0 | 9.29E-04 | 1.59E-03 | 1.38E-03 | 1.22E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 4.53E-05 | 4.39E-05 | 1.10E-03 | 1.76E-03 | 1.54E-03 | 1.36E-03 | 3.89E-05 | 3.67E-05 | 3.06E-05 | 3.45E-05 | 1.77E-04 |
| SKIN | G | 2.18E-05 | 2.10E-05 | 3.62E-05 | 3.62E-05 | 3.19E-05 | 4.05E-05 | 9.53E-05 | 2.57E-05 | 7.08E-05 | 3.77E-05 | 3.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.81E-03 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 2.18E-05 | 2.10E-05 | 3.62E-05 | 3.62E-05 | 3.19E-05 | 4.05E-05 | 2.91E-03 | 2.57E-05 | 7.08E-05 | 3.77E-05 | 1.44E-04 |
| SPLEEN | G | 2.80E-05 | 8.68E-04 | 3.39E-05 | 3.39E-05 | 3.70E-05 | 4.41E-05 | 2.76E-05 | 6.33E-03 | 3.95E-06 | 5.45E-06 | 8.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.06E-02 | 0.0 | 0.0 | 1.04E-04 |
| | T | 2.80E-05 | 8.68E-04 | 3.39E-05 | 3.39E-05 | 3.70E-05 | 4.41E-05 | 2.76E-05 | 4.69E-02 | 3.95E-06 | 5.45E-06 | 1.85E-04 |
| TESTES | G | 6.55E-47 | 2.95E-06 | 2.58E-05 | 2.58E-05 | 1.67E-05 | 4.42E-05 | 4.24E-05 | 3.72E-06 | 1.77E-02 | 1.08E-07 | 7.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.09E-01 | 0.0 | 1.04E-04 |
| | T | 6.55E-47 | 2.95E-06 | 2.58E-05 | 2.58E-05 | 1.67E-05 | 4.42E-05 | 4.24E-05 | 3.72E-06 | 2.27E-01 | 1.08E-07 | 1.76E-04 |
| THYMUS | G | 2.30E-06 | 2.83E-05 | 2.85E-05 | 2.85E-05 | 2.46E-05 | 2.24E-05 | 3.52E-05 | 1.91E-05 | 3.76E-07 | 1.91E-04 | 8.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 2.30E-06 | 2.83E-05 | 2.85E-05 | 2.85E-05 | 2.46E-05 | 2.24E-05 | 3.52E-05 | 1.91E-05 | 3.76E-07 | 1.91E-04 | 1.89E-04 |
| THYROID | G | 6.29E-07 | 7.64E-06 | 4.58E-05 | 4.58E-05 | 3.66E-05 | 3.21E-05 | 3.63E-05 | 5.92E-06 | 1.08E-07 | 2.41E-02 | 6.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.65E-01 | 1.04E-04 |
| | T | 6.29E-07 | 7.64E-06 | 4.58E-05 | 4.58E-05 | 3.66E-05 | 3.21E-05 | 3.63E-05 | 5.92E-06 | 1.08E-07 | 3.90E-01 | 1.67E-04 |
| UTERUS | G | 8.56E-04 | 2.77E-05 | 2.59E-05 | 2.59E-05 | 9.00E-05 | 2.85E-05 | 2.19E-05 | 1.92E-05 | 6.55E-47 | 5.94E-07 | 8.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-04 |
| | T | 8.56E-04 | 2.77E-05 | 2.59E-05 | 2.59E-05 | 9.00E-05 | 2.85E-05 | 2.19E-05 | 1.92E-05 | 6.55E-47 | 5.94E-07 | 1.89E-04 |
| T BODY | G | 9.09E-05 | 8.91E-05 | 6.56E-05 | 6.56E-05 | 7.26E-05 | 5.84E-05 | 3.98E-05 | 7.69E-05 | 6.40E-05 | 5.92E-05 | 6.54E-05 |
| | B | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 |
| | T | 1.95E-04 | 1.93E-04 | 1.70E-04 | 1.70E-04 | 1.77E-04 | 1.63E-04 | 1.44E-04 | 1.81E-04 | 1.68E-04 | 1.64E-04 | 1.70E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA, VOL. 5, NO. 2, (1971)
DATE DECAY DATA REVIEWED-FEBRUARY 1972

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 49-INDIUM-114M (TR=5.000E 01 DAYS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.25E-02 | 2.91E-06 | 3.07E-05 | 1.80E-05 | 1.37E-05 | 6.35E-06 | 1.90E-04 | 7.39E-05 | 3.46E-05 | 3.46E-05 | 2.50E-05 |
| | B | 5.37E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.50E-01 | 2.91E-06 | 3.07E-05 | 1.80E-05 | 1.37E-05 | 6.35E-06 | 1.90E-04 | 7.39E-05 | 3.46E-05 | 3.46E-05 | 2.50E-05 |
| BLAD WALL | G | 1.87E-06 | 1.49E-03 | 4.93E-06 | 3.91E-05 | 2.81E-05 | 8.56E-05 | 4.92E-06 | 3.19E-06 | 8.91E-07 | 8.91E-07 | 2.67E-05 |
| | B | 0.0 | 1.88E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.87E-06 | 2.03E-02 | 4.93E-06 | 3.91E-05 | 2.81E-05 | 8.56E-05 | 4.92E-06 | 3.19E-06 | 8.91E-07 | 8.91E-07 | 2.67E-05 |
| GI TRACT S WALL | G | 4.03E-05 | 4.62E-06 | 1.03E-03 | 5.16E-05 | 5.57E-05 | 2.44E-05 | 4.64E-05 | 2.65E-05 | 2.72E-05 | 2.72E-05 | 2.10E-05 |
| | B | 0.0 | 0.0 | 1.50E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.03E-05 | 4.62E-06 | 1.61E-02 | 5.16E-05 | 5.57E-05 | 2.44E-05 | 4.64E-05 | 2.65E-05 | 2.72E-05 | 2.72E-05 | 2.10E-05 |
| SI+CONT | G | 1.22E-05 | 3.75E-05 | 3.62E-05 | 6.16E-04 | 2.75E-04 | 1.51E-04 | 3.87E-05 | 2.23E-05 | 3.38E-06 | 3.38E-06 | 2.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 9.40E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.22E-05 | 3.75E-05 | 3.62E-05 | 1.00E-02 | 2.75E-04 | 1.51E-04 | 3.87E-05 | 2.23E-05 | 3.38E-06 | 3.38E-06 | 2.30E-05 |
| ULI WALL | G | 1.35E-05 | 3.08E-05 | 4.89E-05 | 4.54E-04 | 8.79E-04 | 6.90E-05 | 3.94E-05 | 3.52E-05 | 4.39E-06 | 4.39E-06 | 2.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.71E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-05 | 3.08E-05 | 4.89E-05 | 4.54E-04 | 1.80E-02 | 6.90E-05 | 3.94E-05 | 3.52E-05 | 4.39E-06 | 4.39E-06 | 2.47E-05 |
| LLI WALL | G | 3.78E-06 | 1.02E-04 | 1.76E-05 | 1.21E-04 | 4.70E-05 | 1.09E-03 | 1.15E-05 | 3.72E-06 | 1.24E-06 | 1.24E-06 | 2.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.78E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.78E-06 | 1.02E-04 | 1.76E-05 | 1.21E-04 | 4.70E-05 | 2.89E-02 | 1.15E-05 | 3.72E-06 | 1.24E-06 | 1.24E-06 | 2.50E-05 |
| KIDNEYS | G | 1.89E-04 | 4.48E-06 | 4.66E-05 | 4.30E-05 | 3.80E-05 | 1.21E-05 | 1.67E-03 | 5.44E-05 | 1.31E-05 | 1.31E-05 | 2.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.43E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.89E-04 | 4.48E-06 | 4.66E-05 | 4.30E-05 | 3.80E-05 | 1.21E-05 | 2.59E-02 | 5.44E-05 | 1.31E-05 | 1.31E-05 | 2.23E-05 |
| LIVER | G | 7.30E-05 | 3.42E-06 | 2.74E-05 | 2.56E-05 | 3.55E-05 | 4.35E-06 | 5.58E-05 | 5.05E-04 | 3.66E-05 | 3.66E-05 | 1.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.18E-03 | 0.0 | 0.0 | 0.0 |
| | T | 7.30E-05 | 3.42E-06 | 2.74E-05 | 2.56E-05 | 3.55E-05 | 4.35E-06 | 5.58E-05 | 4.68E-03 | 3.66E-05 | 3.66E-05 | 1.66E-05 |
| LUNGS | G | 3.47E-05 | 6.03E-07 | 2.57E-05 | 4.04E-06 | 4.35E-06 | 1.42E-06 | 1.24E-05 | 3.80E-05 | 3.60E-04 | 3.60E-04 | 2.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.52E-03 | 7.52E-03 | 0.0 |
| | T | 3.47E-05 | 6.03E-07 | 2.57E-05 | 4.04E-06 | 4.35E-06 | 1.42E-06 | 1.24E-05 | 3.80E-05 | 7.88E-03 | 7.88E-03 | 2.18E-05 |
| RESP LYM NODE | G | 3.47E-05 | 6.03E-07 | 2.57E-05 | 4.04E-06 | 4.35E-06 | 1.42E-06 | 1.24E-05 | 3.80E-05 | 3.51E-04 | 3.60E-04 | 2.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.33E-03 | 5.01E-01 | 0.0 |
| | T | 3.47E-05 | 6.03E-07 | 2.57E-05 | 4.04E-06 | 4.35E-06 | 1.42E-06 | 1.24E-05 | 3.80E-05 | 7.68E-03 | 5.02E-01 | 2.18E-05 |
| MUSCLE* | G | 2.50E-05 | 2.67E-05 | 2.11E-05 | 2.30E-05 | 2.17E-05 | 2.50E-05 | 2.23E-05 | 1.66E-05 | 2.18E-05 | 2.18E-05 | 2.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.69E-04 |
| | T | 2.50E-05 | 2.67E-05 | 2.11E-05 | 2.30E-05 | 2.17E-05 | 2.50E-05 | 2.23E-05 | 1.66E-05 | 2.18E-05 | 2.18E-05 | 2.94E-04 |
| OVARIES | G | 7.53E-06 | 9.20E-05 | 8.74E-06 | 1.53E-04 | 1.77E-04 | 3.08E-04 | 1.69E-05 | 5.54E-06 | 1.90E-06 | 1.90E-06 | 3.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.53E-06 | 9.20E-05 | 8.74E-06 | 1.53E-04 | 1.77E-04 | 3.08E-04 | 1.69E-05 | 5.54E-06 | 1.90E-06 | 1.90E-06 | 3.16E-05 |

49-INDIUM-114M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.23E-04 | 3.76E-06 | 2.77E-04 | 2.78E-05 | 2.85E-05 | 9.80E-06 | 9.29E-05 | 6.13E-05 | 3.62E-05 | 3.62E-05 | 2.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.23E-04 | 3.76E-06 | 2.77E-04 | 2.78E-05 | 2.85E-05 | 9.80E-06 | 9.29E-05 | 6.13E-05 | 3.62E-05 | 3.62E-05 | 2.86E-05 |
| SKELETON BONE | G | 2.38E-05 | 9.03E-06 | 9.56E-06 | 1.33E-05 | 1.20E-05 | 1.93E-05 | 1.62E-05 | 1.24E-05 | 1.73E-05 | 1.73E-05 | 1.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.38E-05 | 9.03E-06 | 9.56E-06 | 1.33E-05 | 1.20E-05 | 1.93E-05 | 1.62E-05 | 1.24E-05 | 1.73E-05 | 1.73E-05 | 1.54E-05 |
| R MARROW | G | 4.18E-05 | 2.02E-05 | 1.63E-05 | 4.39E-05 | 3.78E-05 | 6.24E-05 | 4.16E-05 | 1.72E-05 | 2.16E-05 | 2.16E-05 | 2.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.18E-05 | 2.02E-05 | 1.63E-05 | 4.39E-05 | 3.78E-05 | 6.24E-05 | 4.16E-05 | 1.72E-05 | 2.16E-05 | 2.16E-05 | 2.49E-05 |
| Y MARROW | G | 2.28E-05 | 8.38E-06 | 1.33E-05 | 1.84E-05 | 1.70E-05 | 2.43E-05 | 1.99E-05 | 1.85E-05 | 1.85E-05 | 1.85E-05 | 2.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.28E-05 | 8.38E-06 | 1.33E-05 | 1.84E-05 | 1.70E-05 | 2.43E-05 | 1.99E-05 | 1.85E-05 | 1.85E-05 | 1.85E-05 | 2.00E-05 |
| T E CL | G | 2.38E-05 | 9.03E-06 | 9.56E-06 | 1.33E-05 | 1.20E-05 | 1.93E-05 | 1.62E-05 | 1.24E-05 | 1.73E-05 | 1.73E-05 | 1.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.38E-05 | 9.03E-06 | 9.56E-06 | 1.33E-05 | 1.20E-05 | 1.93E-05 | 1.62E-05 | 1.24E-05 | 1.73E-05 | 1.73E-05 | 1.54E-05 |
| SKIN | G | 9.22E-06 | 8.74E-06 | 7.66E-06 | 6.93E-06 | 7.06E-06 | 7.89E-06 | 9.14E-06 | 8.10E-06 | 9.09E-06 | 9.09E-06 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.22E-06 | 8.74E-06 | 7.66E-06 | 6.93E-06 | 7.06E-06 | 7.89E-06 | 9.14E-06 | 8.10E-06 | 9.09E-06 | 9.09E-06 | 1.41E-05 |
| SPLEEN | G | 9.38E-05 | 3.08E-06 | 1.42E-04 | 2.13E-05 | 1.80E-05 | 1.20E-05 | 1.35E-04 | 1.35E-05 | 3.31E-05 | 3.31E-05 | 2.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.38E-05 | 3.08E-06 | 1.42E-04 | 2.13E-05 | 1.80E-05 | 1.20E-05 | 1.35E-04 | 1.35E-05 | 3.31E-05 | 3.31E-05 | 2.29E-05 |
| TESTES | G | 8.46E-07 | 6.72E-05 | 8.87E-07 | 5.17E-06 | 5.90E-06 | 2.67E-05 | 1.86E-06 | 1.69E-06 | 2.86E-07 | 2.86E-07 | 1.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.46E-07 | 6.72E-05 | 8.87E-07 | 5.17E-06 | 5.90E-06 | 2.67E-05 | 1.86E-06 | 1.69E-06 | 2.86E-07 | 2.86E-07 | 1.78E-05 |
| THYMUS | G | 8.78E-06 | 3.73E-07 | 4.64E-06 | 1.72E-06 | 1.90E-06 | 6.99E-07 | 3.51E-06 | 1.27E-05 | 5.63E-05 | 5.63E-05 | 3.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.78E-06 | 3.73E-07 | 4.64E-06 | 1.72E-06 | 1.90E-06 | 6.99E-07 | 3.51E-06 | 1.27E-05 | 5.63E-05 | 5.63E-05 | 3.63E-05 |
| THYROID | G | 2.47E-06 | 1.11E-07 | 1.89E-06 | 4.70E-07 | 5.05E-07 | 2.11E-07 | 1.15E-06 | 2.68E-06 | 1.47E-05 | 1.47E-05 | 2.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.47E-06 | 1.11E-07 | 1.89E-06 | 4.70E-07 | 5.05E-07 | 2.11E-07 | 1.15E-06 | 2.68E-06 | 1.47E-05 | 1.47E-05 | 2.31E-05 |
| UTERUS | G | 1.55E-05 | 2.32E-04 | 1.17E-05 | 1.34E-04 | 6.48E-05 | 8.72E-05 | 1.25E-05 | 5.49E-06 | 1.34E-06 | 1.34E-06 | 3.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.55E-05 | 2.32E-04 | 1.17E-05 | 1.34E-04 | 6.48E-05 | 8.72E-05 | 1.25E-05 | 5.49E-06 | 1.34E-06 | 1.34E-06 | 3.66E-05 |
| T BODY | G | 2.82E-05 | 3.09E-05 | 2.96E-05 | 3.24E-05 | 3.17E-05 | 3.16E-05 | 2.83E-05 | 2.86E-05 | 2.53E-05 | 2.53E-05 | 2.38E-05 |
| | B | 1.07E-04 | 1.21E-05 | 3.22E-05 | 8.59E-05 | 5.13E-05 | 6.36E-05 | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 |
| | T | 1.36E-04 | 4.30E-05 | 6.18E-05 | 1.18E-04 | 8.29E-05 | 9.52E-05 | 1.36E-04 | 1.36E-04 | 1.33E-04 | 1.33E-04 | 1.31E-04 |

CONTINUED NEXT PAGE

49-INDIUM-114M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 6.68E-06 | 1.17E-04 | 2.20E-05 | 2.20E-05 | 3.42E-05 | 1.60E-05 | 1.09E-05 | 9.42E-05 | 8.46E-07 | 2.47E-06 | 3.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 6.68E-06 | 1.17E-04 | 2.20E-05 | 2.20E-05 | 3.42E-05 | 1.60E-05 | 1.09E-05 | 9.42E-05 | 8.46E-07 | 2.47E-06 | 1.38E-04 |
| BLAD WALL | G | 9.68E-05 | 2.22E-06 | 7.29E-06 | 7.29E-06 | 1.11E-05 | 4.39E-06 | 8.69E-06 | 2.51E-06 | 7.05E-05 | 1.12E-07 | 3.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 9.68E-05 | 2.22E-06 | 7.29E-06 | 7.29E-06 | 1.11E-05 | 4.39E-06 | 8.69E-06 | 2.51E-06 | 7.05E-05 | 1.12E-07 | 1.38E-04 |
| GI TRACT S WALL | G | 1.08E-05 | 2.90E-04 | 7.92E-06 | 7.92E-06 | 1.46E-05 | 1.05E-05 | 8.70E-06 | 1.41E-04 | 1.09E-06 | 1.26E-06 | 2.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 1.08E-05 | 2.90E-04 | 7.92E-06 | 7.92E-06 | 1.46E-05 | 1.05E-05 | 8.70E-06 | 1.41E-04 | 1.09E-06 | 1.26E-06 | 1.37E-04 |
| SI+CONT | G | 1.88E-04 | 2.44E-05 | 1.10E-05 | 1.10E-05 | 3.69E-05 | 1.47E-05 | 7.29E-06 | 1.90E-05 | 6.47E-06 | 2.19E-07 | 3.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 1.88E-04 | 2.44E-05 | 1.10E-05 | 1.10E-05 | 3.69E-05 | 1.47E-05 | 7.29E-06 | 1.90E-05 | 6.47E-06 | 2.19E-07 | 1.40E-04 |
| ULI WALL | G | 1.93E-04 | 2.96E-05 | 1.02E-05 | 1.02E-05 | 2.90E-05 | 1.25E-05 | 7.62E-06 | 1.82E-05 | 4.74E-06 | 2.26E-07 | 3.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 1.93E-04 | 2.96E-05 | 1.02E-05 | 1.02E-05 | 2.90E-05 | 1.25E-05 | 7.62E-06 | 1.82E-05 | 4.74E-06 | 2.26E-07 | 1.38E-04 |
| LLI WALL | G | 2.51E-04 | 7.46E-06 | 1.47E-05 | 1.47E-05 | 4.39E-05 | 1.24E-05 | 7.82E-06 | 8.86E-06 | 3.76E-05 | 1.77E-07 | 3.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 2.51E-04 | 7.46E-06 | 1.47E-05 | 1.47E-05 | 4.39E-05 | 1.24E-05 | 7.82E-06 | 8.86E-06 | 3.76E-05 | 1.77E-07 | 1.38E-04 |
| KIDNEYS | G | 1.42E-05 | 8.88E-05 | 1.33E-05 | 1.33E-05 | 3.21E-05 | 1.61E-05 | 1.03E-05 | 1.36E-04 | 1.22E-06 | 7.68E-07 | 2.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 1.42E-05 | 8.88E-05 | 1.33E-05 | 1.33E-05 | 3.21E-05 | 1.61E-05 | 1.03E-05 | 1.36E-04 | 1.22E-06 | 7.68E-07 | 1.36E-04 |
| LIVER | G | 8.14E-06 | 5.99E-05 | 9.70E-06 | 9.70E-06 | 1.37E-05 | 1.48E-05 | 8.87E-06 | 1.41E-05 | 7.54E-07 | 1.97E-06 | 2.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 8.14E-06 | 5.99E-05 | 9.70E-06 | 9.70E-06 | 1.37E-05 | 1.48E-05 | 8.87E-06 | 1.41E-05 | 7.54E-07 | 1.97E-06 | 1.36E-04 |
| LUNGS | G | 1.38E-06 | 3.42E-05 | 1.40E-05 | 1.40E-05 | 1.71E-05 | 1.44E-05 | 9.55E-06 | 3.29E-05 | 2.12E-07 | 1.40E-05 | 2.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 1.38E-06 | 3.42E-05 | 1.40E-05 | 1.40E-05 | 1.71E-05 | 1.44E-05 | 9.55E-06 | 3.29E-05 | 2.12E-07 | 1.40E-05 | 1.33E-04 |
| RESP LYM NODE | G | 1.38E-06 | 3.42E-05 | 1.40E-05 | 1.40E-05 | 1.71E-05 | 1.44E-05 | 9.55E-06 | 3.29E-05 | 2.12E-07 | 1.40E-05 | 2.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 1.38E-06 | 3.42E-05 | 1.40E-05 | 1.40E-05 | 1.71E-05 | 1.44E-05 | 9.55E-06 | 3.29E-05 | 2.12E-07 | 1.40E-05 | 1.33E-04 |
| MUSCLE* | G | 3.16E-05 | 2.86E-05 | 1.54E-05 | 1.54E-05 | 1.84E-05 | 1.44E-05 | 1.41E-05 | 2.29E-05 | 1.78E-05 | 2.31E-05 | 2.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 3.16E-05 | 2.86E-05 | 1.54E-05 | 1.54E-05 | 1.84E-05 | 1.44E-05 | 1.41E-05 | 2.29E-05 | 1.78E-05 | 2.31E-05 | 1.31E-04 |
| OVARIES | G | 2.12E-02 | 6.33E-06 | 1.30E-05 | 1.30E-05 | 4.06E-05 | 1.53E-05 | 5.91E-06 | 1.01E-05 | 1.57E-46 | 2.10E-07 | 2.84E-05 |
| | B | 6.83E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 7.05E-01 | 6.33E-06 | 1.30E-05 | 1.30E-05 | 4.06E-05 | 1.53E-05 | 5.91E-06 | 1.01E-05 | 1.57E-46 | 2.10E-07 | 1.36E-04 |

49-INDIUM-114M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 7.99E-06 | 5.24E-03 | 1.36E-05 | 1.36E-05 | 2.15E-05 | 1.71E-05 | 7.63E-06 | 3.18E-04 | 8.64E-07 | 1.09E-06 | 3.15E-05 |
| | B | 0.0 | 7.52E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 7.99E-06 | 8.04E-02 | 1.36E-05 | 1.36E-05 | 2.15E-05 | 1.71E-05 | 7.63E-06 | 3.18E-04 | 8.64E-07 | 1.09E-06 | 1.39E-04 |
| SKELETON BONE | G | 1.58E-05 | 1.47E-05 | 8.27E-05 | 8.27E-05 | 5.37E-05 | 6.32E-05 | 1.48E-05 | 1.28E-05 | 9.73E-06 | 1.13E-05 | 2.93E-05 |
| | B | 0.0 | 0.0 | 1.50E-03 | 1.04E-03 | 3.11E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 1.58E-05 | 1.47E-05 | 1.59E-03 | 1.12E-03 | 3.64E-04 | 6.32E-05 | 1.48E-05 | 1.28E-05 | 9.73E-06 | 1.13E-05 | 1.37E-04 |
| R MARROW | G | 5.50E-05 | 2.79E-05 | 7.58E-05 | 7.58E-05 | 1.95E-04 | 6.50E-05 | 1.38E-05 | 1.85E-05 | 7.76E-06 | 1.22E-05 | 3.28E-05 |
| | B | 0.0 | 0.0 | 2.03E-05 | 1.55E-03 | 3.92E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 5.50E-05 | 2.79E-05 | 9.61E-05 | 1.63E-03 | 4.12E-03 | 6.50E-05 | 1.38E-05 | 1.85E-05 | 7.76E-06 | 1.22E-05 | 1.40E-04 |
| Y MARROW | G | 2.12E-05 | 1.71E-05 | 7.44E-05 | 7.44E-05 | 7.10E-05 | 1.20E-04 | 1.62E-05 | 1.90E-05 | 3.95E-06 | 5.93E-06 | 2.82E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 2.12E-05 | 1.71E-05 | 7.44E-05 | 7.44E-05 | 7.10E-05 | 5.13E-03 | 1.62E-05 | 1.90E-05 | 3.95E-06 | 5.93E-06 | 1.36E-04 |
| T E CL | G | 1.58E-05 | 1.47E-05 | 8.18E-05 | 8.18E-05 | 7.84E-05 | 7.36E-05 | 1.48E-05 | 1.28E-05 | 9.73E-06 | 1.13E-05 | 2.94E-05 |
| | B | 0.0 | 0.0 | 9.04E-04 | 1.71E-03 | 1.37E-03 | 1.25E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 1.58E-05 | 1.47E-05 | 9.86E-04 | 1.79E-03 | 1.44E-03 | 1.33E-03 | 1.48E-05 | 1.28E-05 | 9.73E-06 | 1.13E-05 | 1.37E-04 |
| SKIN | G | 6.80E-06 | 6.61E-06 | 1.17E-05 | 1.17E-05 | 1.03E-05 | 1.32E-05 | 4.69E-05 | 8.14E-06 | 2.67E-05 | 1.31E-05 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.89E-03 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 6.80E-06 | 6.61E-06 | 1.17E-05 | 1.17E-05 | 1.03E-05 | 1.32E-05 | 2.94E-03 | 8.14E-06 | 2.67E-05 | 1.31E-05 | 1.22E-04 |
| SPLEEN | G | 8.28E-06 | 3.18E-04 | 1.09E-05 | 1.09E-05 | 1.24E-05 | 1.44E-05 | 9.04E-06 | 2.98E-03 | 9.84E-07 | 1.86E-06 | 2.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.18E-02 | 0.0 | 0.0 | 1.07E-04 |
| | T | 8.28E-06 | 3.18E-04 | 1.09E-05 | 1.09E-05 | 1.24E-05 | 1.44E-05 | 9.04E-06 | 4.47E-02 | 9.84E-07 | 1.86E-06 | 1.37E-04 |
| TESTES | G | 1.57E-46 | 1.05E-06 | 8.35E-06 | 8.35E-06 | 5.25E-06 | 1.37E-05 | 1.65E-05 | 1.16E-06 | 8.93E-03 | 4.08E-08 | 2.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.15E-01 | 0.0 | 1.07E-04 |
| | T | 1.57E-46 | 1.05E-06 | 8.35E-06 | 8.35E-06 | 5.25E-06 | 1.37E-05 | 1.65E-05 | 1.16E-06 | 2.24E-01 | 4.08E-08 | 1.32E-04 |
| THYMUS | G | 7.26E-07 | 8.68E-06 | 9.07E-06 | 9.07E-06 | 8.71E-06 | 7.81E-06 | 1.07E-05 | 6.31E-06 | 1.29E-07 | 5.86E-05 | 3.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 7.26E-07 | 8.68E-06 | 9.07E-06 | 9.07E-06 | 8.71E-06 | 7.81E-06 | 1.07E-05 | 6.31E-06 | 1.29E-07 | 5.86E-05 | 1.38E-04 |
| THYROID | G | 2.10E-07 | 1.92E-06 | 1.27E-05 | 1.27E-05 | 1.14E-05 | 1.09E-05 | 1.21E-05 | 1.83E-06 | 4.08E-08 | 1.25E-02 | 2.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.76E-01 | 1.07E-04 |
| | T | 2.10E-07 | 1.92E-06 | 1.27E-05 | 1.27E-05 | 1.14E-05 | 1.09E-05 | 1.21E-05 | 1.83E-06 | 4.08E-08 | 3.88E-01 | 1.31E-04 |
| UTERUS | G | 2.93E-04 | 8.36E-06 | 9.03E-06 | 9.03E-06 | 2.75E-05 | 9.00E-06 | 7.23E-06 | 6.23E-06 | 1.57E-46 | 1.98E-07 | 3.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-04 |
| | T | 2.93E-04 | 8.36E-06 | 9.03E-06 | 9.03E-06 | 2.75E-05 | 9.00E-06 | 7.23E-06 | 6.23E-06 | 1.57E-46 | 1.98E-07 | 1.40E-04 |
| T BODY | G | 3.30E-05 | 3.24E-05 | 2.51E-05 | 2.51E-05 | 2.72E-05 | 2.27E-05 | 1.48E-05 | 2.85E-05 | 2.38E-05 | 2.26E-05 | 2.46E-05 |
| | B | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 | 1.07E-04 |
| | T | 1.40E-04 | 1.40E-04 | 1.32E-04 | 1.32E-04 | 1.35E-04 | 1.30E-04 | 1.22E-04 | 1.36E-04 | 1.31E-04 | 1.30E-04 | 1.32E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-COFFMAN, F. E. AND HAMILTON, J. H., NUCL. PHYS. A127, 586 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT (REM) PER 1 UCI-DAY DATE OF TABLE 04-10-75
OF 49-INDIUM-114M (TR=5.000E 01 DAYS) AND 0.965 UCI-DAY OF 49-INDIUM-114 (TR=7.200E 01 SEC)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.30E-02 | 3.00E-06 | 3.18E-05 | 1.84E-05 | 1.41E-05 | 6.54E-06 | 1.96E-04 | 7.60E-05 | 3.54E-05 | 3.54E-05 | 2.57E-05 |
| | B | 3.23E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.24E 00 | 3.00E-06 | 3.18E-05 | 1.84E-05 | 1.41E-05 | 6.54E-06 | 1.96E-04 | 7.60E-05 | 3.54E-05 | 3.54E-05 | 2.57E-05 |
| BLAD WALL | G | 1.96E-06 | 1.54E-03 | 5.11E-06 | 4.02E-05 | 2.88E-05 | 8.80E-05 | 5.09E-06 | 3.28E-06 | 9.27E-07 | 9.27E-07 | 2.75E-05 |
| | B | 0.0 | 1.13E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.96E-06 | 1.15E-01 | 5.11E-06 | 4.02E-05 | 2.88E-05 | 8.80E-05 | 5.09E-06 | 3.28E-06 | 9.27E-07 | 9.27E-07 | 2.75E-05 |
| GI TRACT S WALL | G | 4.13E-05 | 4.79E-06 | 1.06E-03 | 5.31E-05 | 5.72E-05 | 2.51E-05 | 4.76E-05 | 2.73E-05 | 2.80E-05 | 2.80E-05 | 2.16E-05 |
| | B | 0.0 | 0.0 | 9.04E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.13E-05 | 4.79E-06 | 9.15E-02 | 5.31E-05 | 5.72E-05 | 2.51E-05 | 4.76E-05 | 2.73E-05 | 2.80E-05 | 2.80E-05 | 2.16E-05 |
| SI+CONT | G | 1.26E-05 | 3.85E-05 | 3.72E-05 | 6.35E-04 | 2.83E-04 | 1.55E-04 | 3.98E-05 | 2.29E-05 | 3.50E-06 | 3.50E-06 | 2.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 5.65E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.26E-05 | 3.85E-05 | 3.72E-05 | 5.71E-02 | 2.83E-04 | 1.55E-04 | 3.98E-05 | 2.29E-05 | 3.50E-06 | 3.50E-06 | 2.37E-05 |
| ULI WALL | G | 1.39E-05 | 3.16E-05 | 5.04E-05 | 4.69E-04 | 9.08E-04 | 7.11E-05 | 4.05E-05 | 3.61E-05 | 4.55E-06 | 4.55E-06 | 2.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.03E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.39E-05 | 3.16E-05 | 5.04E-05 | 4.69E-04 | 1.04E-01 | 7.11E-05 | 4.05E-05 | 3.61E-05 | 4.55E-06 | 4.55E-06 | 2.54E-05 |
| LLI WALL | G | 3.91E-06 | 1.04E-04 | 1.82E-05 | 1.24E-04 | 4.83E-05 | 1.12E-03 | 1.19E-05 | 3.85E-06 | 1.27E-06 | 1.27E-06 | 2.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.67E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.91E-06 | 1.04E-04 | 1.82E-05 | 1.24E-04 | 4.83E-05 | 1.69E-01 | 1.19E-05 | 3.85E-06 | 1.27E-06 | 1.27E-06 | 2.57E-05 |
| KIDNEYS | G | 1.94E-04 | 4.65E-06 | 4.79E-05 | 4.42E-05 | 3.90E-05 | 1.25E-05 | 1.73E-03 | 5.59E-05 | 1.35E-05 | 1.35E-05 | 2.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.94E-04 | 4.65E-06 | 4.79E-05 | 4.42E-05 | 3.90E-05 | 1.25E-05 | 1.48E-01 | 5.59E-05 | 1.35E-05 | 1.35E-05 | 2.30E-05 |
| LIVER | G | 7.51E-05 | 3.53E-06 | 2.82E-05 | 2.64E-05 | 3.64E-05 | 4.51E-06 | 5.74E-05 | 5.21E-04 | 3.77E-05 | 3.77E-05 | 1.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.51E-02 | 0.0 | 0.0 | 0.0 |
| | T | 7.51E-05 | 3.53E-06 | 2.82E-05 | 2.64E-05 | 3.64E-05 | 4.51E-06 | 5.74E-05 | 2.56E-02 | 3.77E-05 | 3.77E-05 | 1.71E-05 |
| LUNGS | G | 3.57E-05 | 6.35E-07 | 2.65E-05 | 4.17E-06 | 4.51E-06 | 1.48E-06 | 1.28E-05 | 3.91E-05 | 3.72E-04 | 3.72E-04 | 2.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.52E-02 | 4.52E-02 | 0.0 |
| | T | 3.57E-05 | 6.35E-07 | 2.65E-05 | 4.17E-06 | 4.51E-06 | 1.48E-06 | 1.28E-05 | 3.91E-05 | 4.56E-02 | 4.56E-02 | 2.25E-05 |
| RESP LYM NODE | G | 3.57E-05 | 6.35E-07 | 2.65E-05 | 4.17E-06 | 4.51E-06 | 1.48E-06 | 1.28E-05 | 3.91E-05 | 3.63E-04 | 3.72E-04 | 2.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-02 | 3.01E 00 | 0.0 |
| | T | 3.57E-05 | 6.35E-07 | 2.65E-05 | 4.17E-06 | 4.51E-06 | 1.48E-06 | 1.28E-05 | 3.91E-05 | 4.54E-02 | 3.01E 00 | 2.25E-05 |
| MUSCLE* | G | 2.57E-05 | 2.75E-05 | 2.17E-05 | 2.37E-05 | 2.24E-05 | 2.57E-05 | 2.30E-05 | 1.71E-05 | 2.25E-05 | 2.25E-05 | 2.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.61E-03 |
| | T | 2.57E-05 | 2.75E-05 | 2.17E-05 | 2.37E-05 | 2.24E-05 | 2.57E-05 | 2.30E-05 | 1.71E-05 | 2.25E-05 | 2.25E-05 | 1.64E-03 |
| OVARIES | G | 7.65E-06 | 9.44E-05 | 9.15E-06 | 1.57E-04 | 1.81E-04 | 3.17E-04 | 1.75E-05 | 5.85E-06 | 1.96E-06 | 1.96E-06 | 3.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.65E-06 | 9.44E-05 | 9.15E-06 | 1.57E-04 | 1.81E-04 | 3.17E-04 | 1.75E-05 | 5.85E-06 | 1.96E-06 | 1.96E-06 | 3.25E-05 |

49-INDIUM-114M AND 49-INDIUM-114 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.26E-04 | 3.86E-06 | 2.84E-04 | 2.85E-05 | 2.92E-05 | 1.01E-05 | 9.56E-05 | 6.29E-05 | 3.71E-05 | 3.71E-05 | 2.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.26E-04 | 3.86E-06 | 2.84E-04 | 2.85E-05 | 2.92E-05 | 1.01E-05 | 9.56E-05 | 6.29E-05 | 3.71E-05 | 3.71E-05 | 2.94E-05 |
| SKELETON BONE | G | 2.44E-05 | 9.24E-06 | 9.80E-06 | 1.36E-05 | 1.23E-05 | 1.98E-05 | 1.66E-05 | 1.28E-05 | 1.77E-05 | 1.77E-05 | 1.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.44E-05 | 9.24E-06 | 9.80E-06 | 1.36E-05 | 1.23E-05 | 1.98E-05 | 1.66E-05 | 1.28E-05 | 1.77E-05 | 1.77E-05 | 1.58E-05 |
| R MARROW | G | 4.29E-05 | 2.06E-05 | 1.67E-05 | 4.50E-05 | 3.88E-05 | 6.41E-05 | 4.27E-05 | 1.77E-05 | 2.21E-05 | 2.21E-05 | 2.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.29E-05 | 2.06E-05 | 1.67E-05 | 4.50E-05 | 3.88E-05 | 6.41E-05 | 4.27E-05 | 1.77E-05 | 2.21E-05 | 2.21E-05 | 2.56E-05 |
| Y MARROW | G | 2.34E-05 | 8.57E-06 | 1.36E-05 | 1.89E-05 | 1.75E-05 | 2.50E-05 | 2.04E-05 | 1.90E-05 | 1.90E-05 | 1.90E-05 | 2.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.34E-05 | 8.57E-06 | 1.36E-05 | 1.89E-05 | 1.75E-05 | 2.50E-05 | 2.04E-05 | 1.90E-05 | 1.90E-05 | 1.90E-05 | 2.06E-05 |
| T E CL | G | 2.44E-05 | 9.24E-06 | 9.80E-06 | 1.36E-05 | 1.23E-05 | 1.98E-05 | 1.66E-05 | 1.28E-05 | 1.77E-05 | 1.77E-05 | 1.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.44E-05 | 9.24E-06 | 9.80E-06 | 1.36E-05 | 1.23E-05 | 1.98E-05 | 1.66E-05 | 1.28E-05 | 1.77E-05 | 1.77E-05 | 1.58E-05 |
| SKIN | G | 9.53E-06 | 9.01E-06 | 7.91E-06 | 7.16E-06 | 7.28E-06 | 8.15E-06 | 9.43E-06 | 8.35E-06 | 9.37E-06 | 9.37E-06 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.53E-06 | 9.01E-06 | 7.91E-06 | 7.16E-06 | 7.28E-06 | 8.15E-06 | 9.43E-06 | 8.35E-06 | 9.37E-06 | 9.37E-06 | 1.45E-05 |
| SPLEEN | G | 9.62E-05 | 3.17E-06 | 1.45E-04 | 2.19E-05 | 1.85E-05 | 1.24E-05 | 1.38E-04 | 1.38E-05 | 3.39E-05 | 3.39E-05 | 2.36E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.62E-05 | 3.17E-06 | 1.45E-04 | 2.19E-05 | 1.85E-05 | 1.24E-05 | 1.38E-04 | 1.38E-05 | 3.39E-05 | 3.39E-05 | 2.36E-05 |
| TESTES | G | 8.81E-07 | 6.90E-05 | 9.46E-07 | 5.38E-06 | 6.09E-06 | 2.73E-05 | 1.92E-06 | 1.76E-06 | 3.01E-07 | 3.01E-07 | 1.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.81E-07 | 6.90E-05 | 9.46E-07 | 5.38E-06 | 6.09E-06 | 2.73E-05 | 1.92E-06 | 1.76E-06 | 3.01E-07 | 3.01E-07 | 1.84E-05 |
| THYMUS | G | 9.03E-06 | 3.91E-07 | 4.90E-06 | 1.78E-06 | 1.96E-06 | 7.29E-07 | 3.61E-06 | 1.30E-05 | 5.80E-05 | 5.80E-05 | 3.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.03E-06 | 3.91E-07 | 4.90E-06 | 1.78E-06 | 1.96E-06 | 7.29E-07 | 3.61E-06 | 1.30E-05 | 5.80E-05 | 5.80E-05 | 3.74E-05 |
| THYROID | G | 2.56E-06 | 1.18E-07 | 1.95E-06 | 4.92E-07 | 5.28E-07 | 2.23E-07 | 1.19E-06 | 2.76E-06 | 1.51E-05 | 1.51E-05 | 2.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.56E-06 | 1.18E-07 | 1.95E-06 | 4.92E-07 | 5.28E-07 | 2.23E-07 | 1.19E-06 | 2.76E-06 | 1.51E-05 | 1.51E-05 | 2.38E-05 |
| UTERUS | G | 1.57E-05 | 2.39E-04 | 1.21E-05 | 1.38E-04 | 6.67E-05 | 8.95E-05 | 1.29E-05 | 5.69E-06 | 1.41E-06 | 1.41E-06 | 3.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.57E-05 | 2.39E-04 | 1.21E-05 | 1.38E-04 | 6.67E-05 | 8.95E-05 | 1.29E-05 | 5.69E-06 | 1.41E-06 | 1.41E-06 | 3.77E-05 |
| T BODY | G | 2.91E-05 | 3.18E-05 | 3.05E-05 | 3.33E-05 | 3.26E-05 | 3.25E-05 | 2.92E-05 | 2.95E-05 | 2.60E-05 | 2.60E-05 | 2.46E-05 |
| | B | 6.46E-04 | 7.26E-05 | 1.94E-04 | 5.17E-04 | 3.08E-04 | 3.83E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 |
| | T | 6.75E-04 | 1.04E-04 | 2.24E-04 | 5.50E-04 | 3.41E-04 | 4.15E-04 | 6.75E-04 | 6.75E-04 | 6.72E-04 | 6.72E-04 | 6.70E-04 |

CONTINUED NEXT PAGE

49-INDIUM-114M AND 49-INDIUM-114 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 6.89E-06 | 1.20E-04 | 2.28E-05 | 2.28E-05 | 3.52E-05 | 1.64E-05 | 1.13E-05 | 9.70E-05 | 8.81E-07 | 2.56E-06 | 3.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 6.89E-06 | 1.20E-04 | 2.28E-05 | 2.28E-05 | 3.52E-05 | 1.64E-05 | 1.13E-05 | 9.70E-05 | 8.81E-07 | 2.56E-06 | 6.78E-04 |
| BLAD WALL | G | 9.95E-05 | 2.31E-06 | 7.54E-06 | 7.54E-06 | 1.15E-05 | 4.53E-06 | 9.01E-06 | 2.62E-06 | 7.24E-05 | 1.19E-07 | 3.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 9.95E-05 | 2.31E-06 | 7.54E-06 | 7.54E-06 | 1.15E-05 | 4.53E-06 | 9.01E-06 | 2.62E-06 | 7.24E-05 | 1.19E-07 | 6.78E-04 |
| GI TRACT S WALL | G | 1.12E-05 | 2.98E-04 | 8.15E-06 | 8.15E-06 | 1.50E-05 | 1.08E-05 | 8.97E-06 | 1.45E-04 | 1.13E-06 | 1.32E-06 | 3.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 1.12E-05 | 2.98E-04 | 8.15E-06 | 8.15E-06 | 1.50E-05 | 1.08E-05 | 8.97E-06 | 1.45E-04 | 1.13E-06 | 1.32E-06 | 6.76E-04 |
| SI+CONT | G | 1.94E-04 | 2.51E-05 | 1.13E-05 | 1.13E-05 | 3.79E-05 | 1.51E-05 | 7.52E-06 | 1.95E-05 | 6.67E-06 | 2.36E-07 | 3.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 1.94E-04 | 2.51E-05 | 1.13E-05 | 1.13E-05 | 3.79E-05 | 1.51E-05 | 7.52E-06 | 1.95E-05 | 6.67E-06 | 2.36E-07 | 6.79E-04 |
| ULI WALL | G | 1.98E-04 | 3.05E-05 | 1.05E-05 | 1.05E-05 | 2.98E-05 | 1.29E-05 | 7.86E-06 | 1.88E-05 | 4.89E-06 | 2.46E-07 | 3.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 1.98E-04 | 3.05E-05 | 1.05E-05 | 1.05E-05 | 2.98E-05 | 1.29E-05 | 7.86E-06 | 1.88E-05 | 4.89E-06 | 2.46E-07 | 6.78E-04 |
| LLI WALL | G | 2.58E-04 | 7.70E-06 | 1.51E-05 | 1.51E-05 | 4.51E-05 | 1.28E-05 | 8.07E-06 | 9.11E-06 | 3.85E-05 | 1.87E-07 | 3.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 2.58E-04 | 7.70E-06 | 1.51E-05 | 1.51E-05 | 4.51E-05 | 1.28E-05 | 8.07E-06 | 9.11E-06 | 3.85E-05 | 1.87E-07 | 6.77E-04 |
| KIDNEYS | G | 1.46E-05 | 9.12E-05 | 1.37E-05 | 1.37E-05 | 3.30E-05 | 1.66E-05 | 1.06E-05 | 1.40E-04 | 1.27E-06 | 8.22E-07 | 2.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 1.46E-05 | 9.12E-05 | 1.37E-05 | 1.37E-05 | 3.30E-05 | 1.66E-05 | 1.06E-05 | 1.40E-04 | 1.27E-06 | 8.22E-07 | 6.75E-04 |
| LIVER | G | 8.39E-06 | 6.15E-05 | 9.98E-06 | 9.98E-06 | 1.41E-05 | 1.53E-05 | 9.14E-06 | 1.45E-05 | 7.96E-07 | 2.05E-06 | 2.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 8.39E-06 | 6.15E-05 | 9.98E-06 | 9.98E-06 | 1.41E-05 | 1.53E-05 | 9.14E-06 | 1.45E-05 | 7.96E-07 | 2.05E-06 | 6.75E-04 |
| LUNGS | G | 1.44E-06 | 3.51E-05 | 1.44E-05 | 1.44E-05 | 1.76E-05 | 1.48E-05 | 9.85E-06 | 3.38E-05 | 2.26E-07 | 1.44E-05 | 2.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 1.44E-06 | 3.51E-05 | 1.44E-05 | 1.44E-05 | 1.76E-05 | 1.48E-05 | 9.85E-06 | 3.38E-05 | 2.26E-07 | 1.44E-05 | 6.72E-04 |
| RESP LYM NODE | G | 1.44E-06 | 3.51E-05 | 1.44E-05 | 1.44E-05 | 1.76E-05 | 1.48E-05 | 9.85E-06 | 3.38E-05 | 2.26E-07 | 1.44E-05 | 2.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 1.44E-06 | 3.51E-05 | 1.44E-05 | 1.44E-05 | 1.76E-05 | 1.48E-05 | 9.85E-06 | 3.38E-05 | 2.26E-07 | 1.44E-05 | 6.72E-04 |
| MUSCLE* | G | 3.25E-05 | 2.94E-05 | 1.58E-05 | 1.58E-05 | 1.89E-05 | 1.48E-05 | 1.45E-05 | 2.36E-05 | 1.84E-05 | 2.38E-05 | 2.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 3.25E-05 | 2.94E-05 | 1.58E-05 | 1.58E-05 | 1.89E-05 | 1.48E-05 | 1.45E-05 | 2.36E-05 | 1.84E-05 | 2.38E-05 | 6.70E-04 |
| OVARIES | G | 2.20E-02 | 6.63E-06 | 1.34E-05 | 1.34E-05 | 4.19E-05 | 1.56E-05 | 6.12E-06 | 1.04E-05 | 1.61E-46 | 2.21E-07 | 2.93E-05 |
| | B | 4.11E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 4.13E 00 | 6.63E-06 | 1.34E-05 | 1.34E-05 | 4.19E-05 | 1.56E-05 | 6.12E-06 | 1.04E-05 | 1.61E-46 | 2.21E-07 | 6.75E-04 |

49-INDIUM-114M AND 49-INDIUM-114 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 8.26E-06 | 5.42E-03 | 1.40E-05 | 1.40E-05 | 2.19E-05 | 1.75E-05 | 7.84E-06 | 3.27E-04 | 9.07E-07 | 1.18E-06 | 3.24E-05 |
| | B | 0.0 | 4.52E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 8.26E-06 | 4.57E-01 | 1.40E-05 | 1.40E-05 | 2.19E-05 | 1.75E-05 | 7.84E-06 | 3.27E-04 | 9.07E-07 | 1.18E-06 | 6.78E-04 |
| SKELETON BONE | G | 1.62E-05 | 1.51E-05 | 8.53E-05 | 8.53E-05 | 5.54E-05 | 6.53E-05 | 1.52E-05 | 1.31E-05 | 9.98E-06 | 1.16E-05 | 3.02E-05 |
| | B | 0.0 | 0.0 | 9.04E-03 | 5.29E-03 | 2.50E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 1.62E-05 | 1.51E-05 | 9.12E-03 | 5.37E-03 | 2.56E-03 | 6.53E-05 | 1.52E-05 | 1.31E-05 | 9.98E-06 | 1.16E-05 | 6.76E-04 |
| R MARROW | G | 5.63E-05 | 2.86E-05 | 7.82E-05 | 7.82E-05 | 2.01E-04 | 6.71E-05 | 1.42E-05 | 1.89E-05 | 7.95E-06 | 1.26E-05 | 3.37E-05 |
| | B | 0.0 | 0.0 | 5.63E-04 | 1.25E-02 | 2.03E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 5.63E-05 | 2.86E-05 | 6.41E-04 | 1.26E-02 | 2.05E-02 | 6.71E-05 | 1.42E-05 | 1.89E-05 | 7.95E-06 | 1.26E-05 | 6.79E-04 |
| Y MARROW | G | 2.18E-05 | 1.75E-05 | 7.68E-05 | 7.68E-05 | 7.33E-05 | 1.24E-04 | 1.67E-05 | 1.95E-05 | 4.06E-06 | 6.09E-06 | 2.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 2.18E-05 | 1.75E-05 | 7.68E-05 | 7.68E-05 | 7.33E-05 | 3.03E-02 | 1.67E-05 | 1.95E-05 | 4.06E-06 | 6.09E-06 | 6.75E-04 |
| T E CL | G | 1.62E-05 | 1.51E-05 | 8.44E-05 | 8.44E-05 | 8.09E-05 | 7.61E-05 | 1.52E-05 | 1.31E-05 | 9.98E-06 | 1.16E-05 | 3.02E-05 |
| | B | 0.0 | 0.0 | 5.65E-03 | 8.68E-03 | 9.28E-03 | 7.53E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 1.62E-05 | 1.51E-05 | 5.73E-03 | 8.76E-03 | 9.36E-03 | 7.61E-03 | 1.52E-05 | 1.31E-05 | 9.98E-06 | 1.16E-05 | 6.76E-04 |
| SKIN | G | 7.02E-06 | 6.82E-06 | 1.21E-05 | 1.21E-05 | 1.06E-05 | 1.36E-05 | 4.86E-05 | 8.40E-06 | 2.76E-05 | 1.35E-05 | 1.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.74E-02 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 7.02E-06 | 6.82E-06 | 1.21E-05 | 1.21E-05 | 1.06E-05 | 1.36E-05 | 1.74E-02 | 8.40E-06 | 2.76E-05 | 1.35E-05 | 6.61E-04 |
| SPLEEN | G | 8.50E-06 | 3.27E-04 | 1.12E-05 | 1.12E-05 | 1.28E-05 | 1.49E-05 | 9.31E-06 | 3.08E-03 | 1.01E-06 | 1.94E-06 | 3.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.51E-01 | 0.0 | 0.0 | 6.46E-04 |
| | T | 8.50E-06 | 3.27E-04 | 1.12E-05 | 1.12E-05 | 1.28E-05 | 1.49E-05 | 9.31E-06 | 2.54E-01 | 1.01E-06 | 1.94E-06 | 6.76E-04 |
| TESTES | G | 1.61E-46 | 1.10E-06 | 8.62E-06 | 8.62E-06 | 5.37E-06 | 1.40E-05 | 1.70E-05 | 1.20E-06 | 9.24E-03 | 4.40E-08 | 2.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.29E 00 | 0.0 | 6.46E-04 |
| | T | 1.61E-46 | 1.10E-06 | 8.62E-06 | 8.62E-06 | 5.37E-06 | 1.40E-05 | 1.70E-05 | 1.20E-06 | 1.30E 00 | 4.40E-08 | 6.71E-04 |
| THYMUS | G | 7.58E-07 | 8.91E-06 | 9.32E-06 | 9.32E-06 | 9.03E-06 | 8.06E-06 | 1.10E-05 | 6.46E-06 | 1.37E-07 | 6.02E-05 | 3.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 7.58E-07 | 8.91E-06 | 9.32E-06 | 9.32E-06 | 9.03E-06 | 8.06E-06 | 1.10E-05 | 6.46E-06 | 1.37E-07 | 6.02E-05 | 6.78E-04 |
| THYROID | G | 2.21E-07 | 1.98E-06 | 1.31E-05 | 1.31E-05 | 1.17E-05 | 1.12E-05 | 1.25E-05 | 1.89E-06 | 4.40E-08 | 1.30E-02 | 2.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.26E 00 | 6.46E-04 |
| | T | 2.21E-07 | 1.98E-06 | 1.31E-05 | 1.31E-05 | 1.17E-05 | 1.12E-05 | 1.25E-05 | 1.89E-06 | 4.40E-08 | 2.27E 00 | 6.70E-04 |
| UTERUS | G | 3.01E-04 | 8.59E-06 | 9.31E-06 | 9.31E-06 | 2.81E-05 | 9.22E-06 | 7.49E-06 | 6.38E-06 | 1.61E-46 | 2.10E-07 | 3.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-04 |
| | T | 3.01E-04 | 8.59E-06 | 9.31E-06 | 9.31E-06 | 2.81E-05 | 9.22E-06 | 7.49E-06 | 6.38E-06 | 1.61E-46 | 2.10E-07 | 6.79E-04 |
| T BODY | G | 3.39E-05 | 3.33E-05 | 2.58E-05 | 2.58E-05 | 2.80E-05 | 2.34E-05 | 1.53E-05 | 2.94E-05 | 2.45E-05 | 2.33E-05 | 2.53E-05 |
| | B | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 | 6.46E-04 |
| | T | 6.80E-04 | 6.79E-04 | 6.71E-04 | 6.71E-04 | 6.74E-04 | 6.69E-04 | 6.61E-04 | 6.75E-04 | 6.70E-04 | 6.69E-04 | 6.71E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 49-INDIUM-114 (TR=7.200E 01 SEC)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.58E-04 | 9.97E-08 | 1.14E-06 | 4.62E-07 | 4.52E-07 | 1.93E-07 | 6.18E-06 | 2.11E-06 | 9.06E-07 | 9.06E-07 | 7.98E-07 |
| | B | 2.79E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.79E 00 | 9.97E-08 | 1.14E-06 | 4.62E-07 | 4.52E-07 | 1.93E-07 | 6.18E-06 | 2.11E-06 | 9.06E-07 | 9.06E-07 | 7.98E-07 |
| BLAD WALL | G | 9.35E-08 | 4.96E-05 | 1.86E-07 | 1.18E-06 | 7.29E-07 | 2.48E-06 | 1.78E-07 | 9.64E-08 | 3.73E-08 | 3.73E-08 | 8.01E-07 |
| | B | 0.0 | 9.76E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.35E-08 | 9.77E-02 | 1.86E-07 | 1.18E-06 | 7.29E-07 | 2.48E-06 | 1.78E-07 | 9.64E-08 | 3.73E-08 | 3.73E-08 | 8.01E-07 |
| GI TRACT S WALL | G | 1.12E-06 | 1.76E-07 | 3.40E-05 | 1.52E-06 | 1.56E-06 | 6.46E-07 | 1.22E-06 | 7.81E-07 | 8.40E-07 | 8.40E-07 | 6.38E-07 |
| | B | 0.0 | 0.0 | 7.81E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-06 | 1.76E-07 | 7.81E-02 | 1.52E-06 | 1.56E-06 | 6.46E-07 | 1.22E-06 | 7.81E-07 | 8.40E-07 | 8.40E-07 | 6.38E-07 |
| SI+CONT | G | 3.98E-07 | 1.06E-06 | 1.00E-06 | 2.04E-05 | 8.22E-06 | 4.56E-06 | 1.13E-06 | 6.47E-07 | 1.25E-07 | 1.25E-07 | 6.86E-07 |
| | B | 0.0 | 0.0 | 0.0 | 4.88E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.98E-07 | 1.06E-06 | 1.00E-06 | 4.88E-02 | 8.22E-06 | 4.56E-06 | 1.13E-06 | 6.47E-07 | 1.25E-07 | 1.25E-07 | 6.86E-07 |
| ULI WALL | G | 3.98E-07 | 7.94E-07 | 1.48E-06 | 1.49E-05 | 2.97E-05 | 2.17E-06 | 1.16E-06 | 9.48E-07 | 1.69E-07 | 1.69E-07 | 7.49E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 8.87E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.98E-07 | 7.94E-07 | 1.48E-06 | 1.49E-05 | 8.88E-02 | 2.17E-06 | 1.16E-06 | 9.48E-07 | 1.69E-07 | 1.69E-07 | 7.49E-07 |
| LLI WALL | G | 1.33E-07 | 2.93E-06 | 5.53E-07 | 3.76E-06 | 1.41E-06 | 3.72E-05 | 3.80E-07 | 1.32E-07 | 3.11E-08 | 3.11E-08 | 7.44E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.45E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.33E-07 | 2.93E-06 | 5.53E-07 | 3.76E-06 | 1.41E-06 | 1.45E-01 | 3.80E-07 | 1.32E-07 | 3.11E-08 | 3.11E-08 | 7.44E-07 |
| KIDNEYS | G | 5.55E-06 | 1.74E-07 | 1.29E-06 | 1.20E-06 | 1.12E-06 | 3.64E-07 | 5.84E-05 | 1.57E-06 | 4.24E-07 | 4.24E-07 | 6.98E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.55E-06 | 1.74E-07 | 1.29E-06 | 1.20E-06 | 1.12E-06 | 3.64E-07 | 1.26E-01 | 1.57E-06 | 4.24E-07 | 4.24E-07 | 6.98E-07 |
| LIVER | G | 2.12E-06 | 1.18E-07 | 7.91E-07 | 7.52E-07 | 1.02E-06 | 1.66E-07 | 1.61E-06 | 1.66E-05 | 1.08E-06 | 1.08E-06 | 5.08E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.17E-02 | 0.0 | 0.0 | 0.0 |
| | T | 2.12E-06 | 1.18E-07 | 7.91E-07 | 7.52E-07 | 1.02E-06 | 1.66E-07 | 1.61E-06 | 2.17E-02 | 1.08E-06 | 1.08E-06 | 5.08E-07 |
| LUNGS | G | 1.01E-06 | 3.32E-08 | 7.67E-07 | 1.34E-07 | 1.65E-07 | 6.22E-08 | 3.83E-07 | 1.16E-06 | 1.27E-05 | 1.27E-05 | 6.82E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.90E-02 | 3.90E-02 | 0.0 |
| | T | 1.01E-06 | 3.32E-08 | 7.67E-07 | 1.34E-07 | 1.65E-07 | 6.22E-08 | 3.83E-07 | 1.16E-06 | 3.91E-02 | 3.91E-02 | 6.82E-07 |
| RESP LYM NODE | G | 1.01E-06 | 3.32E-08 | 7.67E-07 | 1.34E-07 | 1.65E-07 | 6.22E-08 | 3.83E-07 | 1.16E-06 | 1.25E-05 | 1.27E-05 | 6.82E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.90E-02 | 2.60E 00 | 0.0 |
| | T | 1.01E-06 | 3.32E-08 | 7.67E-07 | 1.34E-07 | 1.65E-07 | 6.22E-08 | 3.83E-07 | 1.16E-06 | 3.90E-02 | 2.60E 00 | 6.82E-07 |
| MUSCLE* | G | 7.98E-07 | 8.01E-07 | 6.38E-07 | 6.86E-07 | 6.48E-07 | 7.44E-07 | 6.98E-07 | 5.08E-07 | 6.82E-07 | 6.82E-07 | 8.39E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-03 |
| | T | 7.98E-07 | 8.01E-07 | 6.38E-07 | 6.86E-07 | 6.48E-07 | 7.44E-07 | 6.98E-07 | 5.08E-07 | 6.82E-07 | 6.82E-07 | 1.40E-03 |
| OVARIES | G | 1.25E-07 | 2.54E-06 | 4.27E-07 | 4.27E-06 | 3.98E-06 | 9.34E-06 | 5.31E-07 | 3.23E-07 | 6.86E-08 | 6.86E-08 | 9.70E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.25E-07 | 2.54E-06 | 4.27E-07 | 4.27E-06 | 3.98E-06 | 9.34E-06 | 5.31E-07 | 3.23E-07 | 6.86E-08 | 6.86E-08 | 9.70E-07 |

49-INDIUM-114 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.60E-06 | 1.06E-07 | 8.04E-06 | 7.23E-07 | 7.92E-07 | 2.71E-07 | 2.73E-06 | 1.73E-06 | 9.88E-07 | 9.88E-07 | 8.77E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.60E-06 | 1.06E-07 | 8.04E-06 | 7.23E-07 | 7.92E-07 | 2.71E-07 | 2.73E-06 | 1.73E-06 | 9.88E-07 | 9.88E-07 | 8.77E-07 |
| SKELETON BONE | G | 6.62E-07 | 2.21E-07 | 2.51E-07 | 3.50E-07 | 3.13E-07 | 5.35E-07 | 4.45E-07 | 3.40E-07 | 4.77E-07 | 4.77E-07 | 4.73E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.62E-07 | 2.21E-07 | 2.51E-07 | 3.50E-07 | 3.13E-07 | 5.35E-07 | 4.45E-07 | 3.40E-07 | 4.77E-07 | 4.77E-07 | 4.73E-07 |
| R MARROW | G | 1.13E-06 | 4.68E-07 | 4.03E-07 | 1.13E-06 | 9.60E-07 | 1.75E-06 | 1.12E-06 | 4.57E-07 | 5.94E-07 | 5.94E-07 | 7.02E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.13E-06 | 4.68E-07 | 4.03E-07 | 1.13E-06 | 9.60E-07 | 1.75E-06 | 1.12E-06 | 4.57E-07 | 5.94E-07 | 5.94E-07 | 7.02E-07 |
| Y MARROW | G | 6.37E-07 | 2.05E-07 | 3.53E-07 | 4.80E-07 | 4.44E-07 | 6.84E-07 | 5.46E-07 | 5.11E-07 | 5.13E-07 | 5.13E-07 | 5.83E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.37E-07 | 2.05E-07 | 3.53E-07 | 4.80E-07 | 4.44E-07 | 6.84E-07 | 5.46E-07 | 5.11E-07 | 5.13E-07 | 5.13E-07 | 5.83E-07 |
| T E CL | G | 6.62E-07 | 2.21E-07 | 2.51E-07 | 3.50E-07 | 3.13E-07 | 5.35E-07 | 4.45E-07 | 3.40E-07 | 4.77E-07 | 4.77E-07 | 4.73E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.62E-07 | 2.21E-07 | 2.51E-07 | 3.50E-07 | 3.13E-07 | 5.35E-07 | 4.45E-07 | 3.40E-07 | 4.77E-07 | 4.77E-07 | 4.73E-07 |
| SKIN | G | 3.13E-07 | 2.87E-07 | 2.55E-07 | 2.38E-07 | 2.31E-07 | 2.69E-07 | 2.92E-07 | 2.62E-07 | 2.93E-07 | 2.93E-07 | 4.77E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.13E-07 | 2.87E-07 | 2.55E-07 | 2.38E-07 | 2.31E-07 | 2.69E-07 | 2.92E-07 | 2.62E-07 | 2.93E-07 | 2.93E-07 | 4.77E-07 |
| SPLEEN | G | 2.53E-06 | 8.79E-08 | 4.00E-06 | 6.43E-07 | 5.60E-07 | 3.93E-07 | 3.95E-06 | 4.03E-07 | 8.89E-07 | 8.89E-07 | 7.06E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.53E-06 | 8.79E-08 | 4.00E-06 | 6.43E-07 | 5.60E-07 | 3.93E-07 | 3.95E-06 | 4.03E-07 | 8.89E-07 | 8.89E-07 | 7.06E-07 |
| TESTES | G | 3.67E-08 | 1.86E-06 | 6.09E-08 | 2.13E-07 | 1.90E-07 | 6.51E-07 | 6.89E-08 | 7.19E-08 | 1.52E-08 | 1.52E-08 | 5.54E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.67E-08 | 1.86E-06 | 6.09E-08 | 2.13E-07 | 1.90E-07 | 6.51E-07 | 6.89E-08 | 7.19E-08 | 1.52E-08 | 1.52E-08 | 5.54E-07 |
| THYMUS | G | 2.64E-07 | 1.91E-08 | 2.70E-07 | 6.43E-08 | 6.93E-08 | 3.05E-08 | 1.04E-07 | 3.20E-07 | 1.77E-06 | 1.77E-06 | 1.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.64E-07 | 1.91E-08 | 2.70E-07 | 6.43E-08 | 6.93E-08 | 3.05E-08 | 1.04E-07 | 3.20E-07 | 1.77E-06 | 1.77E-06 | 1.10E-06 |
| THYROID | G | 9.33E-08 | 7.35E-09 | 6.94E-08 | 2.28E-08 | 2.40E-08 | 1.18E-08 | 4.66E-08 | 8.09E-08 | 4.40E-07 | 4.40E-07 | 7.39E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.33E-08 | 7.35E-09 | 6.94E-08 | 2.28E-08 | 2.40E-08 | 1.18E-08 | 4.66E-08 | 8.09E-08 | 4.40E-07 | 4.40E-07 | 7.39E-07 |
| UTERUS | G | 1.83E-07 | 6.49E-06 | 3.87E-07 | 3.71E-06 | 1.95E-06 | 2.34E-06 | 3.88E-07 | 2.05E-07 | 7.83E-08 | 7.83E-08 | 1.11E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.83E-07 | 6.49E-06 | 3.87E-07 | 3.71E-06 | 1.95E-06 | 2.34E-06 | 3.88E-07 | 2.05E-07 | 7.83E-08 | 7.83E-08 | 1.11E-06 |
| T BODY | G | 8.91E-07 | 9.59E-07 | 9.29E-07 | 9.98E-07 | 9.81E-07 | 9.79E-07 | 8.95E-07 | 8.99E-07 | 7.98E-07 | 7.98E-07 | 7.70E-07 |
| | B | 5.58E-04 | 6.27E-05 | 1.67E-04 | 4.46E-04 | 2.66E-04 | 3.31E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 |
| | T | 5.59E-04 | 6.37E-05 | 1.68E-04 | 4.47E-04 | 2.67E-04 | 3.31E-04 | 5.59E-04 | 5.59E-04 | 5.59E-04 | 5.59E-04 | 5.59E-04 |

CONTINUED NEXT PAGE

49-INDIUM-114 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.19E-07 | 3.19E-06 | 8.19E-07 | 8.19E-07 | 1.04E-06 | 4.29E-07 | 3.58E-07 | 2.86E-06 | 3.67E-08 | 8.72E-08 | 1.15E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 2.19E-07 | 3.19E-06 | 8.19E-07 | 8.19E-07 | 1.04E-06 | 4.29E-07 | 3.58E-07 | 2.86E-06 | 3.67E-08 | 8.72E-08 | 5.59E-04 |
| BLAD WALL | G | 2.80E-06 | 9.02E-08 | 2.53E-07 | 2.53E-07 | 4.36E-07 | 1.50E-07 | 3.28E-07 | 1.14E-07 | 2.01E-06 | 7.39E-09 | 1.02E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 2.80E-06 | 9.02E-08 | 2.53E-07 | 2.53E-07 | 4.36E-07 | 1.50E-07 | 3.28E-07 | 1.14E-07 | 2.01E-06 | 7.39E-09 | 5.59E-04 |
| GI TRACT S WALL | G | 3.53E-07 | 8.60E-06 | 2.34E-07 | 2.34E-07 | 4.50E-07 | 3.04E-07 | 2.76E-07 | 4.22E-06 | 4.29E-08 | 6.57E-08 | 8.35E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 3.53E-07 | 8.60E-06 | 2.34E-07 | 2.34E-07 | 4.50E-07 | 3.04E-07 | 2.76E-07 | 4.22E-06 | 4.29E-08 | 6.57E-08 | 5.59E-04 |
| SI+CONT | G | 5.54E-06 | 7.05E-07 | 3.25E-07 | 3.25E-07 | 1.03E-06 | 4.23E-07 | 2.41E-07 | 5.67E-07 | 2.14E-07 | 1.76E-08 | 9.91E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 5.54E-06 | 7.05E-07 | 3.25E-07 | 3.25E-07 | 1.03E-06 | 4.23E-07 | 2.41E-07 | 5.67E-07 | 2.14E-07 | 1.76E-08 | 5.59E-04 |
| ULI WALL | G | 5.95E-06 | 8.57E-07 | 3.09E-07 | 3.09E-07 | 7.96E-07 | 3.87E-07 | 2.47E-07 | 5.70E-07 | 1.48E-07 | 2.07E-08 | 9.44E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 5.95E-06 | 8.57E-07 | 3.09E-07 | 3.09E-07 | 7.96E-07 | 3.87E-07 | 2.47E-07 | 5.70E-07 | 1.48E-07 | 2.07E-08 | 5.59E-04 |
| LLI WALL | G | 7.73E-06 | 2.52E-07 | 4.34E-07 | 4.34E-07 | 1.27E-06 | 3.91E-07 | 2.53E-07 | 2.59E-07 | 1.01E-06 | 1.03E-08 | 9.90E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 7.73E-06 | 2.52E-07 | 4.34E-07 | 4.34E-07 | 1.27E-06 | 3.91E-07 | 2.53E-07 | 2.59E-07 | 1.01E-06 | 1.03E-08 | 5.59E-04 |
| KIDNEYS | G | 4.24E-07 | 2.49E-06 | 4.33E-07 | 4.33E-07 | 1.00E-06 | 4.80E-07 | 3.30E-07 | 4.00E-06 | 6.12E-08 | 5.60E-08 | 8.73E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 4.24E-07 | 2.49E-06 | 4.33E-07 | 4.33E-07 | 1.00E-06 | 4.80E-07 | 3.30E-07 | 4.00E-06 | 6.12E-08 | 5.60E-08 | 5.59E-04 |
| LIVER | G | 2.59E-07 | 1.67E-06 | 2.99E-07 | 2.99E-07 | 4.17E-07 | 4.61E-07 | 2.85E-07 | 4.25E-07 | 4.32E-08 | 8.08E-08 | 9.06E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 2.59E-07 | 1.67E-06 | 2.99E-07 | 2.99E-07 | 4.17E-07 | 4.61E-07 | 2.85E-07 | 4.25E-07 | 4.32E-08 | 8.08E-08 | 5.59E-04 |
| LUNGS | G | 6.32E-08 | 9.36E-07 | 4.13E-07 | 4.13E-07 | 5.20E-07 | 4.46E-07 | 3.06E-07 | 9.36E-07 | 1.47E-08 | 4.35E-07 | 7.85E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 6.32E-08 | 9.36E-07 | 4.13E-07 | 4.13E-07 | 5.20E-07 | 4.46E-07 | 3.06E-07 | 9.36E-07 | 1.47E-08 | 4.35E-07 | 5.59E-04 |
| RESP LYM NODE | G | 6.32E-08 | 9.36E-07 | 4.13E-07 | 4.13E-07 | 5.20E-07 | 4.46E-07 | 3.06E-07 | 9.36E-07 | 1.47E-08 | 4.35E-07 | 7.85E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 6.32E-08 | 9.36E-07 | 4.13E-07 | 4.13E-07 | 5.20E-07 | 4.46E-07 | 3.06E-07 | 9.36E-07 | 1.47E-08 | 4.35E-07 | 5.59E-04 |
| MUSCLE* | G | 9.70E-07 | 8.77E-07 | 4.73E-07 | 4.73E-07 | 5.56E-07 | 4.47E-07 | 4.77E-07 | 7.06E-07 | 5.54E-07 | 7.39E-07 | 7.70E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 9.70E-07 | 8.77E-07 | 4.73E-07 | 4.73E-07 | 5.56E-07 | 4.47E-07 | 4.77E-07 | 7.06E-07 | 5.54E-07 | 7.39E-07 | 5.59E-04 |
| OVARIES | G | 7.74E-04 | 3.12E-07 | 4.02E-07 | 4.02E-07 | 1.33E-06 | 3.81E-07 | 2.17E-07 | 2.67E-07 | 3.60E-48 | 1.22E-08 | 9.25E-07 |
| | B | 3.55E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 3.55E 00 | 3.12E-07 | 4.02E-07 | 4.02E-07 | 1.33E-06 | 3.81E-07 | 2.17E-07 | 2.67E-07 | 3.60E-48 | 1.22E-08 | 5.59E-04 |

49-INDIUM-114 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.74E-07 | 1.88E-04 | 4.34E-07 | 4.34E-07 | 5.11E-07 | 4.33E-07 | 2.17E-07 | 9.41E-06 | 4.44E-08 | 1.01E-07 | 9.03E-07 |
| | B | 0.0 | 3.90E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 2.74E-07 | 3.91E-01 | 4.34E-07 | 4.34E-07 | 5.11E-07 | 4.33E-07 | 2.17E-07 | 9.41E-06 | 4.44E-08 | 1.01E-07 | 5.59E-04 |
| SKELETON BONE | G | 4.08E-07 | 3.86E-07 | 2.75E-06 | 2.75E-06 | 1.78E-06 | 2.16E-06 | 4.71E-07 | 3.52E-07 | 2.58E-07 | 3.10E-07 | 8.97E-07 |
| | B | 0.0 | 0.0 | 7.81E-03 | 4.40E-03 | 2.27E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 4.08E-07 | 3.86E-07 | 7.81E-03 | 4.41E-03 | 2.27E-03 | 2.16E-06 | 4.71E-07 | 3.52E-07 | 2.58E-07 | 3.10E-07 | 5.59E-04 |
| R MARROW | G | 1.38E-06 | 7.16E-07 | 2.57E-06 | 2.57E-06 | 6.55E-06 | 2.21E-06 | 4.37E-07 | 4.83E-07 | 1.98E-07 | 3.35E-07 | 9.85E-07 |
| | B | 0.0 | 0.0 | 5.62E-04 | 1.13E-02 | 1.70E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 1.38E-06 | 7.16E-07 | 5.65E-04 | 1.14E-02 | 1.70E-02 | 2.21E-06 | 4.37E-07 | 4.83E-07 | 1.98E-07 | 3.35E-07 | 5.59E-04 |
| Y MARROW | G | 5.42E-07 | 4.49E-07 | 2.52E-06 | 2.52E-06 | 2.41E-06 | 4.09E-06 | 5.25E-07 | 5.22E-07 | 1.13E-07 | 1.70E-07 | 8.69E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 5.42E-07 | 4.49E-07 | 2.52E-06 | 2.52E-06 | 2.41E-06 | 2.60E-02 | 5.25E-07 | 5.22E-07 | 1.13E-07 | 1.70E-07 | 5.59E-04 |
| T E CL | G | 4.08E-07 | 3.86E-07 | 2.73E-06 | 2.73E-06 | 2.61E-06 | 2.49E-06 | 4.71E-07 | 3.52E-07 | 2.58E-07 | 3.10E-07 | 8.99E-07 |
| | B | 0.0 | 0.0 | 4.92E-03 | 7.22E-03 | 8.20E-03 | 6.51E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 4.08E-07 | 3.86E-07 | 4.92E-03 | 7.22E-03 | 8.20E-03 | 6.51E-03 | 4.71E-07 | 3.52E-07 | 2.58E-07 | 3.10E-07 | 5.59E-04 |
| SKIN | G | 2.20E-07 | 2.20E-07 | 3.81E-07 | 3.81E-07 | 3.32E-07 | 4.19E-07 | 1.69E-06 | 2.66E-07 | 8.91E-07 | 4.33E-07 | 5.03E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.50E-02 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 2.20E-07 | 2.20E-07 | 3.81E-07 | 3.81E-07 | 3.32E-07 | 4.19E-07 | 1.50E-02 | 2.66E-07 | 8.91E-07 | 4.33E-07 | 5.58E-04 |
| SPLEEN | G | 2.26E-07 | 9.52E-06 | 3.25E-07 | 3.25E-07 | 3.88E-07 | 4.75E-07 | 2.79E-07 | 1.04E-04 | 3.12E-08 | 7.58E-08 | 8.74E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.17E-01 | 0.0 | 0.0 | 5.58E-04 |
| | T | 2.26E-07 | 9.52E-06 | 3.25E-07 | 3.25E-07 | 3.88E-07 | 4.75E-07 | 2.79E-07 | 2.17E-01 | 3.12E-08 | 7.58E-08 | 5.59E-04 |
| TESTES | G | 3.60E-48 | 4.87E-08 | 2.77E-07 | 2.77E-07 | 1.21E-07 | 3.58E-07 | 5.27E-07 | 4.69E-08 | 3.19E-04 | 3.34E-09 | 8.21E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E 00 | 0.0 | 5.58E-04 |
| | T | 3.60E-48 | 4.87E-08 | 2.77E-07 | 2.77E-07 | 1.21E-07 | 3.58E-07 | 5.27E-07 | 4.69E-08 | 1.12E 00 | 3.34E-09 | 5.59E-04 |
| THYMUS | G | 3.24E-08 | 2.35E-07 | 2.62E-07 | 2.62E-07 | 3.33E-07 | 2.62E-07 | 2.88E-07 | 1.56E-07 | 8.28E-09 | 1.65E-06 | 9.39E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 3.24E-08 | 2.35E-07 | 2.62E-07 | 2.62E-07 | 3.33E-07 | 2.62E-07 | 2.88E-07 | 1.56E-07 | 8.28E-09 | 1.65E-06 | 5.59E-04 |
| THYROID | G | 1.21E-08 | 5.78E-08 | 3.80E-07 | 3.80E-07 | 3.23E-07 | 2.54E-07 | 3.55E-07 | 6.78E-08 | 3.34E-09 | 4.56E-04 | 7.90E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.95E 00 | 5.58E-04 |
| | T | 1.21E-08 | 5.78E-08 | 3.80E-07 | 3.80E-07 | 3.23E-07 | 2.54E-07 | 3.55E-07 | 6.78E-08 | 3.34E-09 | 1.95E 00 | 5.59E-04 |
| UTERUS | G | 7.80E-06 | 2.35E-07 | 2.95E-07 | 2.95E-07 | 6.85E-07 | 2.20E-07 | 2.75E-07 | 1.55E-07 | 3.60E-48 | 1.16E-08 | 9.94E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-04 |
| | T | 7.80E-06 | 2.35E-07 | 2.95E-07 | 2.95E-07 | 6.85E-07 | 2.20E-07 | 2.75E-07 | 1.55E-07 | 3.60E-48 | 1.16E-08 | 5.59E-04 |
| T BODY | G | 1.01E-06 | 9.97E-07 | 8.02E-07 | 8.02E-07 | 8.60E-07 | 7.37E-07 | 5.02E-07 | 8.98E-07 | 7.70E-07 | 7.33E-07 | 7.84E-07 |
| | B | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 | 5.58E-04 |
| | T | 5.59E-04 | 5.59E-04 | 5.59E-04 | 5.59E-04 | 5.59E-04 | 5.58E-04 | 5.58E-04 | 5.59E-04 | 5.59E-04 | 5.58E-04 | 5.59E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-COFFMAN, F. E. AND HAMILTON, J. H., NUCL. PHYS. A127, 586 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 49-INDIUM-115M (TB=4.500E 00 HOURS)

DATE OF TABLE 04-02-75

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.69E-02 | 5.04E-06 | 5.46E-05 | 3.44E-05 | 2.29E-05 | 1.14E-05 | 3.01E-04 | 1.28E-04 | 6.03E-05 | 6.03E-05 | 4.06E-05 |
| | B | 6.99E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.16E-01 | 5.04E-06 | 5.46E-05 | 3.44E-05 | 2.29E-05 | 1.14E-05 | 3.01E-04 | 1.28E-04 | 6.03E-05 | 6.03E-05 | 4.06E-05 |
| BLAD WALL | G | 2.72E-06 | 2.27E-03 | 7.76E-06 | 7.17E-05 | 4.92E-05 | 1.53E-04 | 8.19E-06 | 5.76E-06 | 1.46E-06 | 1.46E-06 | 4.54E-05 |
| | B | 0.0 | 2.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.72E-06 | 2.67E-02 | 7.76E-06 | 7.17E-05 | 4.92E-05 | 1.53E-04 | 8.19E-06 | 5.76E-06 | 1.46E-06 | 1.46E-06 | 4.54E-05 |
| GI TRACT S WALL | G | 7.10E-05 | 7.13E-06 | 1.58E-03 | 8.92E-05 | 9.47E-05 | 4.38E-05 | 8.17E-05 | 4.67E-05 | 4.64E-05 | 4.64E-05 | 3.58E-05 |
| | B | 0.0 | 0.0 | 1.96E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.10E-05 | 7.13E-06 | 2.11E-02 | 8.92E-05 | 9.47E-05 | 4.38E-05 | 8.17E-05 | 4.67E-05 | 4.64E-05 | 4.64E-05 | 3.58E-05 |
| SI+CONT | G | 2.15E-05 | 6.65E-05 | 6.38E-05 | 9.46E-04 | 4.52E-04 | 2.49E-04 | 6.84E-05 | 3.97E-05 | 5.57E-06 | 5.57E-06 | 3.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.15E-05 | 6.65E-05 | 6.38E-05 | 1.32E-02 | 4.52E-04 | 2.49E-04 | 6.84E-05 | 3.97E-05 | 5.57E-06 | 5.57E-06 | 3.93E-05 |
| ULI WALL | G | 2.33E-05 | 5.67E-05 | 8.62E-05 | 7.03E-04 | 1.33E-03 | 1.15E-04 | 6.97E-05 | 6.16E-05 | 7.22E-06 | 7.22E-06 | 4.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.33E-05 | 5.67E-05 | 8.62E-05 | 7.03E-04 | 2.36E-02 | 1.15E-04 | 6.97E-05 | 6.16E-05 | 7.22E-06 | 7.22E-06 | 4.17E-05 |
| LLI WALL | G | 6.80E-06 | 1.77E-04 | 3.10E-05 | 1.95E-04 | 7.74E-05 | 1.63E-03 | 2.07E-05 | 6.60E-06 | 2.32E-06 | 2.32E-06 | 4.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.62E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.80E-06 | 1.77E-04 | 3.10E-05 | 1.95E-04 | 7.74E-05 | 3.79E-02 | 2.07E-05 | 6.60E-06 | 2.32E-06 | 2.32E-06 | 4.28E-05 |
| KIDNEYS | G | 3.13E-04 | 7.80E-06 | 8.31E-05 | 7.51E-05 | 6.62E-05 | 2.17E-05 | 2.41E-03 | 9.46E-05 | 2.29E-05 | 2.29E-05 | 3.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.16E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.13E-04 | 7.80E-06 | 8.31E-05 | 7.51E-05 | 6.62E-05 | 2.17E-05 | 3.40E-02 | 9.46E-05 | 2.29E-05 | 2.29E-05 | 3.71E-05 |
| LIVER | G | 1.26E-04 | 5.84E-06 | 4.83E-05 | 4.48E-05 | 6.24E-05 | 7.43E-06 | 9.70E-05 | 7.74E-04 | 6.25E-05 | 6.25E-05 | 2.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.44E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.26E-04 | 5.84E-06 | 4.83E-05 | 4.48E-05 | 6.24E-05 | 7.43E-06 | 9.70E-05 | 6.21E-03 | 6.25E-05 | 6.25E-05 | 2.80E-05 |
| LUNGS | G | 6.04E-05 | 8.51E-07 | 4.41E-05 | 6.89E-06 | 7.23E-06 | 2.23E-06 | 2.13E-05 | 6.38E-05 | 5.13E-04 | 5.13E-04 | 3.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.78E-03 | 9.78E-03 | 0.0 |
| | T | 6.04E-05 | 8.51E-07 | 4.41E-05 | 6.89E-06 | 7.23E-06 | 2.23E-06 | 2.13E-05 | 6.38E-05 | 1.03E-02 | 1.03E-02 | 3.57E-05 |
| RESP LYM NODE | G | 6.04E-05 | 8.51E-07 | 4.41E-05 | 6.89E-06 | 7.23E-06 | 2.23E-06 | 2.13E-05 | 6.38E-05 | 5.07E-04 | 5.13E-04 | 3.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.64E-03 | 6.52E-01 | 0.0 |
| | T | 6.04E-05 | 8.51E-07 | 4.41E-05 | 6.89E-06 | 7.23E-06 | 2.23E-06 | 2.13E-05 | 6.38E-05 | 1.01E-02 | 6.53E-01 | 3.57E-05 |
| MUSCLE* | G | 4.06E-05 | 4.54E-05 | 3.58E-05 | 3.93E-05 | 3.72E-05 | 4.28E-05 | 3.71E-05 | 2.80E-05 | 3.57E-05 | 3.57E-05 | 4.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.49E-04 |
| | T | 4.06E-05 | 4.54E-05 | 3.58E-05 | 3.93E-05 | 3.72E-05 | 4.28E-05 | 3.71E-05 | 2.80E-05 | 3.57E-05 | 3.57E-05 | 3.90E-04 |
| OVARIES | G | 1.35E-05 | 1.74E-04 | 1.09E-05 | 2.55E-04 | 3.15E-04 | 5.08E-04 | 2.86E-05 | 8.67E-06 | 3.25E-06 | 3.25E-06 | 5.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-05 | 1.74E-04 | 1.09E-05 | 2.55E-04 | 3.15E-04 | 5.08E-04 | 2.86E-05 | 8.67E-06 | 3.25E-06 | 3.25E-06 | 5.25E-05 |

49-INDIUM-115M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.11E-04 | 6.81E-06 | 4.68E-04 | 4.95E-05 | 5.16E-05 | 1.72E-05 | 1.60E-04 | 1.05E-04 | 6.46E-05 | 6.46E-05 | 4.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.11E-04 | 6.81E-06 | 4.68E-04 | 4.95E-05 | 5.16E-05 | 1.72E-05 | 1.60E-04 | 1.05E-04 | 6.46E-05 | 6.46E-05 | 4.76E-05 |
| SKELETON BONE | G | 3.96E-05 | 1.64E-05 | 1.68E-05 | 2.29E-05 | 2.08E-05 | 3.19E-05 | 2.76E-05 | 2.13E-05 | 2.88E-05 | 2.88E-05 | 2.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.96E-05 | 1.64E-05 | 1.68E-05 | 2.29E-05 | 2.08E-05 | 3.19E-05 | 2.76E-05 | 2.13E-05 | 2.88E-05 | 2.88E-05 | 2.66E-05 |
| R MARROW | G | 7.08E-05 | 3.67E-05 | 2.92E-05 | 7.54E-05 | 6.53E-05 | 1.00E-04 | 7.11E-05 | 3.03E-05 | 3.62E-05 | 3.62E-05 | 4.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.08E-05 | 3.67E-05 | 2.92E-05 | 7.54E-05 | 6.53E-05 | 1.00E-04 | 7.11E-05 | 3.03E-05 | 3.62E-05 | 3.62E-05 | 4.08E-05 |
| Y MARROW | G | 3.81E-05 | 1.52E-05 | 2.33E-05 | 3.19E-05 | 2.96E-05 | 3.99E-05 | 3.40E-05 | 3.15E-05 | 3.05E-05 | 3.05E-05 | 3.26E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.81E-05 | 1.52E-05 | 2.33E-05 | 3.19E-05 | 2.96E-05 | 3.99E-05 | 3.40E-05 | 3.15E-05 | 3.05E-05 | 3.05E-05 | 3.26E-05 |
| T E CL | G | 3.96E-05 | 1.64E-05 | 1.68E-05 | 2.29E-05 | 2.08E-05 | 3.19E-05 | 2.76E-05 | 2.13E-05 | 2.88E-05 | 2.88E-05 | 2.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.96E-05 | 1.64E-05 | 1.68E-05 | 2.29E-05 | 2.08E-05 | 3.19E-05 | 2.76E-05 | 2.13E-05 | 2.88E-05 | 2.88E-05 | 2.66E-05 |
| SKIN | G | 1.55E-05 | 1.47E-05 | 1.29E-05 | 1.18E-05 | 1.21E-05 | 1.36E-05 | 1.55E-05 | 1.38E-05 | 1.55E-05 | 1.55E-05 | 2.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.55E-05 | 1.47E-05 | 1.29E-05 | 1.18E-05 | 1.21E-05 | 1.36E-05 | 1.55E-05 | 1.38E-05 | 1.55E-05 | 1.55E-05 | 2.25E-05 |
| SPLEEN | G | 1.64E-04 | 4.35E-06 | 2.46E-04 | 3.77E-05 | 3.17E-05 | 2.02E-05 | 2.26E-04 | 2.31E-05 | 5.66E-05 | 5.66E-05 | 3.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.64E-04 | 4.35E-06 | 2.46E-04 | 3.77E-05 | 3.17E-05 | 2.02E-05 | 2.26E-04 | 2.31E-05 | 5.66E-05 | 5.66E-05 | 3.83E-05 |
| TESTES | G | 1.37E-06 | 1.16E-04 | 1.14E-06 | 8.53E-06 | 9.69E-06 | 4.97E-05 | 3.15E-06 | 2.33E-06 | 4.29E-07 | 4.29E-07 | 3.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.37E-06 | 1.16E-04 | 1.14E-06 | 8.53E-06 | 9.69E-06 | 4.97E-05 | 3.15E-06 | 2.33E-06 | 4.29E-07 | 4.29E-07 | 3.03E-05 |
| THYMUS | G | 1.51E-05 | 5.66E-07 | 5.69E-06 | 2.91E-06 | 3.21E-06 | 1.13E-06 | 6.88E-06 | 2.26E-05 | 9.58E-05 | 9.58E-05 | 6.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.51E-05 | 5.66E-07 | 5.69E-06 | 2.91E-06 | 3.21E-06 | 1.13E-06 | 6.88E-06 | 2.26E-05 | 9.58E-05 | 9.58E-05 | 6.49E-05 |
| THYROID | G | 4.25E-06 | 1.49E-07 | 3.21E-06 | 7.29E-07 | 7.88E-07 | 3.10E-07 | 1.89E-06 | 4.98E-06 | 2.39E-05 | 2.39E-05 | 3.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.25E-06 | 1.49E-07 | 3.21E-06 | 7.29E-07 | 7.88E-07 | 3.10E-07 | 1.89E-06 | 4.98E-06 | 2.39E-05 | 2.39E-05 | 3.72E-05 |
| UTERUS | G | 3.59E-05 | 3.95E-04 | 2.04E-05 | 2.31E-04 | 1.12E-04 | 1.57E-04 | 2.33E-05 | 9.85E-06 | 2.31E-06 | 2.31E-06 | 5.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.59E-05 | 3.95E-04 | 2.04E-05 | 2.31E-04 | 1.12E-04 | 1.57E-04 | 2.33E-05 | 9.85E-06 | 2.31E-06 | 2.31E-06 | 5.81E-05 |
| T BODY | G | 4.58E-05 | 5.05E-05 | 4.82E-05 | 5.32E-05 | 5.18E-05 | 5.17E-05 | 4.59E-05 | 4.64E-05 | 4.05E-05 | 4.05E-05 | 3.84E-05 |
| | B | 1.40E-04 | 1.57E-05 | 4.19E-05 | 1.12E-04 | 6.67E-05 | 8.28E-05 | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 |
| | T | 1.86E-04 | 6.62E-05 | 9.01E-05 | 1.65E-04 | 1.19E-04 | 1.34E-04 | 1.86E-04 | 1.86E-04 | 1.80E-04 | 1.80E-04 | 1.78E-04 |

CONTINUED NEXT PAGE

49-INDIUM-115M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.14E-05 | 2.09E-04 | 3.62E-05 | 3.62E-05 | 5.75E-05 | 3.19E-05 | 1.90E-05 | 1.59E-04 | 1.37E-06 | 4.25E-06 | 5.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 1.14E-05 | 2.09E-04 | 3.62E-05 | 3.62E-05 | 5.75E-05 | 3.19E-05 | 1.90E-05 | 1.59E-04 | 1.37E-06 | 4.25E-06 | 1.93E-04 |
| BLAD WALL | G | 1.67E-04 | 4.16E-06 | 1.33E-05 | 1.33E-05 | 1.76E-05 | 7.82E-06 | 1.42E-05 | 3.70E-06 | 1.21E-04 | 1.51E-07 | 4.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 1.67E-04 | 4.16E-06 | 1.33E-05 | 1.33E-05 | 1.76E-05 | 7.82E-06 | 1.42E-05 | 3.70E-06 | 1.21E-04 | 1.51E-07 | 1.89E-04 |
| GI TRACT S WALL | G | 1.94E-05 | 4.82E-04 | 1.42E-05 | 1.42E-05 | 2.55E-05 | 1.81E-05 | 1.47E-05 | 2.43E-04 | 1.88E-06 | 1.89E-06 | 5.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 1.94E-05 | 4.82E-04 | 1.42E-05 | 1.42E-05 | 2.55E-05 | 1.81E-05 | 1.47E-05 | 2.43E-04 | 1.88E-06 | 1.89E-06 | 1.90E-04 |
| SI+CONT | G | 3.15E-04 | 4.36E-05 | 1.91E-05 | 1.91E-05 | 6.46E-05 | 2.59E-05 | 1.24E-05 | 3.37E-05 | 1.12E-05 | 2.90E-07 | 5.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 3.15E-04 | 4.36E-05 | 1.91E-05 | 1.91E-05 | 6.46E-05 | 2.59E-05 | 1.24E-05 | 3.37E-05 | 1.12E-05 | 2.90E-07 | 1.93E-04 |
| ULI WALL | G | 3.14E-04 | 5.27E-05 | 1.77E-05 | 1.77E-05 | 5.15E-05 | 2.24E-05 | 1.26E-05 | 3.13E-05 | 8.30E-06 | 2.60E-07 | 5.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 3.14E-04 | 5.27E-05 | 1.77E-05 | 1.77E-05 | 5.15E-05 | 2.24E-05 | 1.26E-05 | 3.13E-05 | 8.30E-06 | 2.60E-07 | 1.90E-04 |
| LLI WALL | G | 4.05E-04 | 1.33E-05 | 2.53E-05 | 2.53E-05 | 7.51E-05 | 2.18E-05 | 1.32E-05 | 1.59E-05 | 6.84E-05 | 2.56E-07 | 4.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 4.05E-04 | 1.33E-05 | 2.53E-05 | 2.53E-05 | 7.51E-05 | 2.18E-05 | 1.32E-05 | 1.59E-05 | 6.84E-05 | 2.56E-07 | 1.89E-04 |
| KIDNEYS | G | 2.49E-05 | 1.56E-04 | 2.23E-05 | 2.23E-05 | 5.60E-05 | 2.81E-05 | 1.73E-05 | 2.29E-04 | 1.83E-06 | 1.03E-06 | 4.67E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 2.49E-05 | 1.56E-04 | 2.23E-05 | 2.23E-05 | 5.60E-05 | 2.81E-05 | 1.73E-05 | 2.29E-04 | 1.83E-06 | 1.03E-06 | 1.86E-04 |
| LIVER | G | 1.43E-05 | 1.05E-04 | 1.68E-05 | 1.68E-05 | 2.42E-05 | 2.55E-05 | 1.51E-05 | 2.50E-05 | 1.09E-06 | 3.26E-06 | 4.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 1.43E-05 | 1.05E-04 | 1.68E-05 | 1.68E-05 | 2.42E-05 | 2.55E-05 | 1.51E-05 | 2.50E-05 | 1.09E-06 | 3.26E-06 | 1.86E-04 |
| LUNGS | G | 2.13E-06 | 6.03E-05 | 2.42E-05 | 2.42E-05 | 2.98E-05 | 2.46E-05 | 1.63E-05 | 5.64E-05 | 3.13E-07 | 2.40E-05 | 4.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 2.13E-06 | 6.03E-05 | 2.42E-05 | 2.42E-05 | 2.98E-05 | 2.46E-05 | 1.63E-05 | 5.64E-05 | 3.13E-07 | 2.40E-05 | 1.81E-04 |
| RESP LYM NODE | G | 2.13E-06 | 6.03E-05 | 2.42E-05 | 2.42E-05 | 2.98E-05 | 2.46E-05 | 1.63E-05 | 5.64E-05 | 3.13E-07 | 2.40E-05 | 4.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 2.13E-06 | 6.03E-05 | 2.42E-05 | 2.42E-05 | 2.98E-05 | 2.46E-05 | 1.63E-05 | 5.64E-05 | 3.13E-07 | 2.40E-05 | 1.81E-04 |
| MUSCLE* | G | 5.25E-05 | 4.76E-05 | 2.66E-05 | 2.66E-05 | 3.17E-05 | 2.45E-05 | 2.25E-05 | 3.83E-05 | 3.03E-05 | 3.72E-05 | 3.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 5.25E-05 | 4.76E-05 | 2.66E-05 | 2.66E-05 | 3.17E-05 | 2.45E-05 | 2.25E-05 | 3.83E-05 | 3.03E-05 | 3.72E-05 | 1.78E-04 |
| OVARIES | G | 2.87E-02 | 8.14E-06 | 2.16E-05 | 2.16E-05 | 6.93E-05 | 2.81E-05 | 9.84E-06 | 1.89E-05 | 1.08E-46 | 3.01E-07 | 4.83E-05 |
| | B | 8.89E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 9.18E-01 | 8.14E-06 | 2.16E-05 | 2.16E-05 | 6.93E-05 | 2.81E-05 | 9.84E-06 | 1.89E-05 | 1.08E-46 | 3.01E-07 | 1.88E-04 |

49-INDIUM-115M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.24E-05 | 7.36E-03 | 2.44E-05 | 2.44E-05 | 4.00E-05 | 3.19E-05 | 1.40E-05 | 5.21E-04 | 1.41E-06 | 2.19E-06 | 5.35E-05 |
| | B | 0.0 | 9.78E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 1.24E-05 | 1.05E-01 | 2.44E-05 | 2.44E-05 | 4.00E-05 | 3.19E-05 | 1.40E-05 | 5.21E-04 | 1.41E-06 | 2.19E-06 | 1.93E-04 |
| SKELETON BONE | G | 2.73E-05 | 2.58E-05 | 1.21E-04 | 1.21E-04 | 7.94E-05 | 9.12E-05 | 2.36E-05 | 2.18E-05 | 1.73E-05 | 1.97E-05 | 4.61E-05 |
| | B | 0.0 | 0.0 | 1.96E-03 | 1.24E-03 | 4.77E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 2.73E-05 | 2.58E-05 | 2.08E-03 | 1.36E-03 | 5.56E-04 | 9.12E-05 | 2.36E-05 | 2.18E-05 | 1.73E-05 | 1.97E-05 | 1.86E-04 |
| R MARROW | G | 9.41E-05 | 4.91E-05 | 1.10E-04 | 1.10E-04 | 2.75E-04 | 9.38E-05 | 2.21E-05 | 3.23E-05 | 1.40E-05 | 2.16E-05 | 5.16E-05 |
| | B | 0.0 | 0.0 | 5.21E-05 | 2.38E-03 | 4.79E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 9.41E-05 | 4.91E-05 | 1.62E-04 | 2.49E-03 | 5.07E-03 | 9.38E-05 | 2.21E-05 | 3.23E-05 | 1.40E-05 | 2.16E-05 | 1.91E-04 |
| Y MARROW | G | 3.65E-05 | 3.00E-05 | 1.08E-04 | 1.08E-04 | 1.03E-04 | 1.66E-04 | 2.54E-05 | 3.24E-05 | 7.01E-06 | 1.03E-05 | 4.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.52E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 3.65E-05 | 3.00E-05 | 1.08E-04 | 1.08E-04 | 1.03E-04 | 6.69E-03 | 2.54E-05 | 3.24E-05 | 7.01E-06 | 1.03E-05 | 1.83E-04 |
| T E CL | G | 2.73E-05 | 2.58E-05 | 1.20E-04 | 1.20E-04 | 1.12E-04 | 1.04E-04 | 2.36E-05 | 2.18E-05 | 1.73E-05 | 1.97E-05 | 4.61E-05 |
| | B | 0.0 | 0.0 | 1.24E-03 | 2.16E-03 | 1.82E-03 | 1.63E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 2.73E-05 | 2.58E-05 | 1.36E-03 | 2.28E-03 | 1.93E-03 | 1.73E-03 | 2.36E-05 | 2.18E-05 | 1.73E-05 | 1.97E-05 | 1.86E-04 |
| SKIN | G | 1.17E-05 | 1.13E-05 | 1.99E-05 | 1.99E-05 | 1.77E-05 | 2.23E-05 | 6.49E-05 | 1.38E-05 | 4.26E-05 | 2.17E-05 | 2.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.76E-03 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 1.17E-05 | 1.13E-05 | 1.99E-05 | 1.99E-05 | 1.77E-05 | 2.23E-05 | 3.83E-03 | 1.38E-05 | 4.26E-05 | 2.17E-05 | 1.63E-04 |
| SPLEEN | G | 1.47E-05 | 5.21E-04 | 1.82E-05 | 1.82E-05 | 2.11E-05 | 2.49E-05 | 1.50E-05 | 4.31E-03 | 1.67E-06 | 2.96E-06 | 4.82E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.44E-02 | 0.0 | 0.0 | 1.40E-04 |
| | T | 1.47E-05 | 5.21E-04 | 1.82E-05 | 1.82E-05 | 2.11E-05 | 2.49E-05 | 1.50E-05 | 5.87E-02 | 1.67E-06 | 2.96E-06 | 1.88E-04 |
| TESTES | G | 1.08E-46 | 1.68E-06 | 1.45E-05 | 1.45E-05 | 8.61E-06 | 2.48E-05 | 2.71E-05 | 1.91E-06 | 1.25E-02 | 4.87E-08 | 3.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.80E-01 | 0.0 | 1.40E-04 |
| | T | 1.08E-46 | 1.68E-06 | 1.45E-05 | 1.45E-05 | 8.61E-06 | 2.48E-05 | 2.71E-05 | 1.91E-06 | 2.92E-01 | 4.87E-08 | 1.78E-04 |
| THYMUS | G | 1.16E-06 | 1.70E-05 | 1.45E-05 | 1.45E-05 | 1.51E-05 | 1.45E-05 | 1.88E-05 | 9.98E-06 | 1.77E-07 | 1.05E-04 | 5.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 1.16E-06 | 1.70E-05 | 1.45E-05 | 1.45E-05 | 1.51E-05 | 1.45E-05 | 1.88E-05 | 9.98E-06 | 1.77E-07 | 1.05E-04 | 1.95E-04 |
| THYROID | G | 3.01E-07 | 4.03E-06 | 2.45E-05 | 2.45E-05 | 1.94E-05 | 2.14E-05 | 2.07E-05 | 3.10E-06 | 4.87E-08 | 1.73E-02 | 3.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.89E-01 | 1.40E-04 |
| | T | 3.01E-07 | 4.03E-06 | 2.45E-05 | 2.45E-05 | 1.94E-05 | 2.14E-05 | 2.07E-05 | 3.10E-06 | 4.87E-08 | 5.06E-01 | 1.77E-04 |
| UTERUS | G | 5.11E-04 | 1.52E-05 | 1.46E-05 | 1.46E-05 | 5.15E-05 | 1.56E-05 | 1.13E-05 | 1.02E-05 | 1.08E-46 | 2.84E-07 | 5.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-04 |
| | T | 5.11E-04 | 1.52E-05 | 1.46E-05 | 1.46E-05 | 5.15E-05 | 1.56E-05 | 1.13E-05 | 1.02E-05 | 1.08E-46 | 2.84E-07 | 1.92E-04 |
| T BODY | G | 5.42E-05 | 5.32E-05 | 4.00E-05 | 4.00E-05 | 4.39E-05 | 3.57E-05 | 2.34E-05 | 4.62E-05 | 3.83E-05 | 3.60E-05 | 3.94E-05 |
| | B | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 | 1.40E-04 |
| | T | 1.94E-04 | 1.93E-04 | 1.80E-04 | 1.80E-04 | 1.84E-04 | 1.75E-04 | 1.63E-04 | 1.86E-04 | 1.78E-04 | 1.76E-04 | 1.79E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-MURRI, E. L. ET AL., PHYS. REV. 155 (1967)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 49-INDIUM-115 (TR=6.000E 14 YEARS)

DATE OF TABLE 04-10-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | B | 6.86E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.86E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BLAD WALL | B | 0.0 | 2.40E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 2.40E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 1.92E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 1.92E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 1.20E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 1.20E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.18E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 2.18E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.56E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.56E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.10E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.10E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.33E-03 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.33E-03 | 0.0 | 0.0 | 0.0 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.60E-03 | 9.60E-03 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.60E-03 | 9.60E-03 | 0.0 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.60E-03 | 6.40E-01 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.60E-03 | 6.40E-01 | 0.0 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.43E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.43E-04 |
| OVARIES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

49-INDIUM-115 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKELETON BONE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T E CL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T BODY | B | 1.37E-04 | 1.54E-05 | 4.11E-05 | 1.10E-04 | 6.55E-05 | 8.13E-05 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 |
| | T | 1.37E-04 | 1.54E-05 | 4.11E-05 | 1.10E-04 | 6.55E-05 | 8.13E-05 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 |

CONTINUED NEXT PAGE

49-INDIUM-115 CONTINUED

S O U R C E  O R G A N S

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| BLAD WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| OVARIES | B | 8.73E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 8.73E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |

49-INDIUM-115 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | B | 0.0 | 9.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 9.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| SKELETON BONE | B | 0.0 | 0.0 | 1.92E-03 | 1.28E-03 | 4.27E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 1.92E-03 | 1.28E-03 | 4.27E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| R MARROW | B | 0.0 | 0.0 | 2.85E-05 | 2.14E-03 | 4.90E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 2.85E-05 | 2.14E-03 | 4.90E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.40E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.40E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| T E CL | B | 0.0 | 0.0 | 1.19E-03 | 2.24E-03 | 1.71E-03 | 1.60E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 1.19E-03 | 2.24E-03 | 1.71E-03 | 1.60E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.69E-03 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.69E-03 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.33E-02 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.33E-02 | 0.0 | 0.0 | 1.37E-04 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.74E-01 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.74E-01 | 0.0 | 1.37E-04 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.80E-01 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.80E-01 | 1.37E-04 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-04 |
| T BODY | B | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 |
| | T | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 | 1.37E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 50-TIN-113 (TR=1.152E 02 DAYS)

DATE OF TABLE 04-02-75

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.37E-02 | 1.95E-07 | 3.81E-06 | 1.68E-06 | 1.43E-06 | 4.72E-07 | 9.10E-05 | 2.33E-05 | 6.73E-06 | 6.73E-06 | 1.21E-05 |
| | B | 2.36E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.73E-02 | 1.95E-07 | 3.81E-06 | 1.68E-06 | 1.43E-06 | 4.72E-07 | 9.10E-05 | 2.33E-05 | 6.73E-06 | 6.73E-06 | 1.21E-05 |
| BLAD WALL | G | 1.14E-07 | 1.20E-03 | 2.65E-07 | 5.30E-06 | 3.78E-06 | 2.10E-05 | 3.25E-07 | 1.89E-07 | 5.30E-08 | 5.30E-08 | 8.61E-06 |
| | B | 0.0 | 8.25E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.14E-07 | 2.03E-03 | 2.65E-07 | 5.30E-06 | 3.78E-06 | 2.10E-05 | 3.25E-07 | 1.89E-07 | 5.30E-08 | 5.30E-08 | 8.61E-06 |
| GI TRACT S WALL | G | 5.46E-06 | 2.93E-07 | 7.89E-04 | 1.37E-05 | 1.89E-05 | 4.35E-06 | 7.01E-06 | 4.03E-06 | 7.00E-06 | 7.00E-06 | 6.62E-06 |
| | B | 0.0 | 0.0 | 6.60E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.46E-06 | 2.93E-07 | 1.45E-03 | 1.37E-05 | 1.89E-05 | 4.35E-06 | 7.01E-06 | 4.03E-06 | 7.00E-06 | 7.00E-06 | 6.62E-06 |
| SI+CONT | G | 9.93E-07 | 5.04E-06 | 6.06E-06 | 4.69E-04 | 1.40E-04 | 7.32E-05 | 6.06E-06 | 3.27E-06 | 2.25E-07 | 2.25E-07 | 6.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 4.13E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.93E-07 | 5.04E-06 | 6.06E-06 | 8.82E-04 | 1.40E-04 | 7.32E-05 | 6.06E-06 | 3.27E-06 | 2.25E-07 | 2.25E-07 | 6.77E-06 |
| ULI WALL | G | 1.11E-06 | 3.64E-06 | 1.33E-05 | 3.38E-04 | 7.07E-04 | 3.30E-05 | 5.69E-06 | 6.97E-06 | 2.88E-07 | 2.88E-07 | 8.21E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.50E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-06 | 3.64E-06 | 1.33E-05 | 3.38E-04 | 1.46E-03 | 3.30E-05 | 5.69E-06 | 6.97E-06 | 2.88E-07 | 2.88E-07 | 8.21E-06 |
| LLI WALL | G | 2.57E-07 | 2.60E-05 | 2.19E-06 | 6.81E-05 | 1.64E-05 | 9.25E-04 | 1.12E-06 | 2.55E-07 | 1.06E-07 | 1.06E-07 | 7.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.57E-07 | 2.60E-05 | 2.19E-06 | 6.81E-05 | 1.64E-05 | 2.15E-03 | 1.12E-06 | 2.55E-07 | 1.06E-07 | 1.06E-07 | 7.12E-06 |
| KIDNEYS | G | 8.91E-05 | 2.98E-07 | 7.16E-06 | 6.39E-06 | 5.35E-06 | 1.30E-06 | 1.57E-03 | 1.28E-05 | 1.45E-06 | 1.45E-06 | 8.83E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.91E-05 | 2.98E-07 | 7.16E-06 | 6.39E-06 | 5.35E-06 | 1.30E-06 | 2.63E-03 | 1.28E-05 | 1.45E-06 | 1.45E-06 | 8.83E-06 |
| LIVER | G | 2.26E-05 | 2.27E-07 | 3.86E-06 | 4.45E-06 | 6.69E-06 | 2.98E-07 | 1.28E-05 | 3.75E-04 | 1.21E-05 | 1.21E-05 | 5.20E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 | 0.0 | 0.0 | 0.0 |
| | T | 2.26E-05 | 2.27E-07 | 3.86E-06 | 4.45E-06 | 6.69E-06 | 2.98E-07 | 1.28E-05 | 5.58E-04 | 1.21E-05 | 1.21E-05 | 5.20E-06 |
| LUNGS | G | 8.39E-06 | 2.88E-08 | 6.39E-06 | 2.84E-07 | 3.06E-07 | 8.77E-08 | 1.38E-06 | 1.42E-05 | 3.60E-04 | 3.60E-04 | 1.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.30E-04 | 3.30E-04 | 0.0 |
| | T | 8.39E-06 | 2.88E-08 | 6.39E-06 | 2.84E-07 | 3.06E-07 | 8.77E-08 | 1.38E-06 | 1.42E-05 | 6.90E-04 | 6.90E-04 | 1.03E-05 |
| RESP LYM NODE | G | 8.39E-06 | 2.88E-08 | 6.39E-06 | 2.84E-07 | 3.06E-07 | 8.77E-08 | 1.38E-06 | 1.42E-05 | 3.49E-04 | 3.60E-04 | 1.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.15E-05 | 2.20E-02 | 0.0 |
| | T | 8.39E-06 | 2.88E-08 | 6.39E-06 | 2.84E-07 | 3.06E-07 | 8.77E-08 | 1.38E-06 | 1.42E-05 | 4.10E-04 | 2.24E-02 | 1.03E-05 |
| MUSCLE* | G | 1.21E-05 | 8.61E-06 | 6.62E-06 | 6.77E-06 | 6.03E-06 | 7.12E-06 | 8.83E-06 | 5.20E-06 | 1.03E-05 | 1.03E-05 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.18E-05 |
| | T | 1.21E-05 | 8.61E-06 | 6.62E-06 | 6.77E-06 | 6.03E-06 | 7.12E-06 | 8.83E-06 | 5.20E-06 | 1.03E-05 | 1.03E-05 | 2.59E-05 |
| OVARIES | G | 5.67E-07 | 2.01E-05 | 5.49E-07 | 5.90E-05 | 7.00E-05 | 1.75E-04 | 1.39E-06 | 5.00E-07 | 1.25E-07 | 1.25E-07 | 1.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.67E-07 | 2.01E-05 | 5.49E-07 | 5.90E-05 | 7.00E-05 | 1.75E-04 | 1.39E-06 | 5.00E-07 | 1.25E-07 | 1.25E-07 | 1.31E-05 |

50-TIN-113 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.87E-05 | 2.90E-07 | 1.13E-04 | 3.07E-06 | 3.45E-06 | 9.28E-07 | 1.91E-05 | 1.26E-05 | 6.73E-06 | 6.73E-06 | 1.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.87E-05 | 2.90E-07 | 1.13E-04 | 3.07E-06 | 3.45E-06 | 9.28E-07 | 1.91E-05 | 1.26E-05 | 6.73E-06 | 6.73E-06 | 1.21E-05 |
| SKELETON BONE | G | 1.03E-05 | 1.22E-06 | 2.33E-06 | 4.09E-06 | 3.64E-06 | 9.71E-06 | 5.45E-06 | 4.40E-06 | 7.38E-06 | 7.38E-06 | 3.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-05 | 1.22E-06 | 2.33E-06 | 4.09E-06 | 3.64E-06 | 9.71E-06 | 5.45E-06 | 4.40E-06 | 7.38E-06 | 7.38E-06 | 3.16E-06 |
| R MARROW | G | 1.62E-05 | 3.30E-06 | 3.14E-06 | 1.58E-05 | 1.39E-05 | 3.82E-05 | 1.44E-05 | 4.67E-06 | 8.62E-06 | 8.62E-06 | 1.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.62E-05 | 3.30E-06 | 3.14E-06 | 1.58E-05 | 1.39E-05 | 3.82E-05 | 1.44E-05 | 4.67E-06 | 8.62E-06 | 8.62E-06 | 1.27E-05 |
| Y MARROW | G | 9.56E-06 | 1.24E-06 | 3.28E-06 | 5.70E-06 | 5.19E-06 | 1.32E-05 | 6.55E-06 | 6.89E-06 | 8.63E-06 | 8.63E-06 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.56E-06 | 1.24E-06 | 3.28E-06 | 5.70E-06 | 5.19E-06 | 1.32E-05 | 6.55E-06 | 6.89E-06 | 8.63E-06 | 8.63E-06 | 1.07E-05 |
| T E CL | G | 1.03E-05 | 1.22E-06 | 2.33E-06 | 4.09E-06 | 3.64E-06 | 9.71E-06 | 5.45E-06 | 4.40E-06 | 7.38E-06 | 7.38E-06 | 3.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-05 | 1.22E-06 | 2.33E-06 | 4.09E-06 | 3.64E-06 | 9.71E-06 | 5.45E-06 | 4.40E-06 | 7.38E-06 | 7.38E-06 | 3.16E-06 |
| SKIN | G | 1.89E-06 | 1.49E-06 | 1.32E-06 | 8.41E-07 | 9.28E-07 | 1.25E-06 | 2.24E-06 | 1.48E-06 | 1.75E-06 | 1.75E-06 | 6.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.89E-06 | 1.49E-06 | 1.32E-06 | 8.41E-07 | 9.28E-07 | 1.25E-06 | 2.24E-06 | 1.48E-06 | 1.75E-06 | 1.75E-06 | 6.31E-06 |
| SPLEEN | G | 2.41E-05 | 1.57E-07 | 3.75E-05 | 2.70E-06 | 2.03E-06 | 1.02E-06 | 5.55E-05 | 1.27E-06 | 1.01E-05 | 1.01E-05 | 8.86E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.41E-05 | 1.57E-07 | 3.75E-05 | 2.70E-06 | 2.03E-06 | 1.02E-06 | 5.55E-05 | 1.27E-06 | 1.01E-05 | 1.01E-05 | 8.86E-06 |
| TESTES | G | 4.90E-08 | 1.19E-05 | 5.74E-08 | 3.64E-07 | 3.62E-07 | 4.01E-06 | 1.19E-07 | 8.67E-08 | 1.43E-08 | 1.43E-08 | 4.94E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.90E-08 | 1.19E-05 | 5.74E-08 | 3.64E-07 | 3.62E-07 | 4.01E-06 | 1.19E-07 | 8.67E-08 | 1.43E-08 | 1.43E-08 | 4.94E-06 |
| THYMUS | G | 4.87E-07 | 1.91E-08 | 2.50E-07 | 1.10E-07 | 1.22E-07 | 4.05E-08 | 2.25E-07 | 7.82E-07 | 1.32E-05 | 1.32E-05 | 2.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.87E-07 | 1.91E-08 | 2.50E-07 | 1.10E-07 | 1.22E-07 | 4.05E-08 | 2.25E-07 | 7.82E-07 | 1.32E-05 | 1.32E-05 | 2.10E-05 |
| THYROID | G | 1.63E-07 | 4.55E-09 | 1.22E-07 | 2.51E-08 | 2.74E-08 | 1.01E-08 | 6.94E-08 | 2.13E-07 | 1.23E-06 | 1.23E-06 | 1.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.63E-07 | 4.55E-09 | 1.22E-07 | 2.51E-08 | 2.74E-08 | 1.01E-08 | 6.94E-08 | 2.13E-07 | 1.23E-06 | 1.23E-06 | 1.22E-05 |
| UTERUS | G | 1.98E-06 | 8.38E-05 | 8.90E-07 | 4.26E-05 | 1.12E-05 | 1.76E-05 | 1.15E-06 | 4.21E-07 | 9.49E-08 | 9.49E-08 | 1.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.98E-06 | 8.38E-05 | 8.90E-07 | 4.26E-05 | 1.12E-05 | 1.76E-05 | 1.15E-06 | 4.21E-07 | 9.49E-08 | 9.49E-08 | 1.73E-05 |
| T BODY | G | 1.42E-05 | 1.47E-05 | 1.46E-05 | 1.51E-05 | 1.50E-05 | 1.51E-05 | 1.41E-05 | 1.44E-05 | 1.41E-05 | 1.41E-05 | 1.20E-05 |
| | B | 4.72E-06 | 5.30E-07 | 1.41E-06 | 3.77E-06 | 2.25E-06 | 2.79E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 |
| | T | 1.90E-05 | 1.52E-05 | 1.60E-05 | 1.89E-05 | 1.72E-05 | 1.78E-05 | 1.88E-05 | 1.92E-05 | 1.88E-05 | 1.88E-05 | 1.67E-05 |

CONTINUED NEXT PAGE

50-TIN-113 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 4.11E-07 | 2.78E-05 | 4.69E-06 | 4.69E-06 | 8.84E-06 | 3.65E-06 | 2.50E-06 | 2.57E-05 | 4.90E-08 | 1.63E-07 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 4.11E-07 | 2.78E-05 | 4.69E-06 | 4.69E-06 | 8.84E-06 | 3.65E-06 | 2.50E-06 | 2.57E-05 | 4.90E-08 | 1.63E-07 | 1.55E-05 |
| BLAD WALL | G | 1.99E-05 | 1.60E-07 | 6.24E-07 | 6.24E-07 | 1.47E-06 | 6.57E-07 | 1.58E-06 | 1.63E-07 | 1.34E-05 | 4.59E-09 | 1.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 1.99E-05 | 1.60E-07 | 6.24E-07 | 6.24E-07 | 1.47E-06 | 6.57E-07 | 1.58E-06 | 1.63E-07 | 1.34E-05 | 4.59E-09 | 2.04E-05 |
| GI TRACT S WALL | G | 9.97E-07 | 1.40E-04 | 1.17E-06 | 1.17E-06 | 1.75E-06 | 1.80E-06 | 1.70E-06 | 3.91E-05 | 5.81E-08 | 5.42E-08 | 1.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 9.97E-07 | 1.40E-04 | 1.17E-06 | 1.17E-06 | 1.75E-06 | 1.80E-06 | 1.70E-06 | 3.91E-05 | 5.81E-08 | 5.42E-08 | 1.89E-05 |
| SI+CONT | G | 8.17E-05 | 2.61E-06 | 1.73E-06 | 1.73E-06 | 6.59E-06 | 2.52E-06 | 9.20E-07 | 2.06E-06 | 4.43E-07 | 1.40E-08 | 1.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 8.17E-05 | 2.61E-06 | 1.73E-06 | 1.73E-06 | 6.59E-06 | 2.52E-06 | 9.20E-07 | 2.06E-06 | 4.43E-07 | 1.40E-08 | 1.95E-05 |
| ULI WALL | G | 1.09E-04 | 3.38E-06 | 1.63E-06 | 1.63E-06 | 5.80E-06 | 2.13E-06 | 1.11E-06 | 2.19E-06 | 3.69E-07 | 1.07E-08 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 1.09E-04 | 3.38E-06 | 1.63E-06 | 1.63E-06 | 5.80E-06 | 2.13E-06 | 1.11E-06 | 2.19E-06 | 3.69E-07 | 1.07E-08 | 1.92E-05 |
| LLI WALL | G | 1.49E-04 | 6.81E-07 | 3.43E-06 | 3.43E-06 | 1.19E-05 | 3.07E-06 | 9.50E-07 | 8.24E-07 | 6.08E-06 | 8.29E-09 | 1.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 1.49E-04 | 6.81E-07 | 3.43E-06 | 3.43E-06 | 1.19E-05 | 3.07E-06 | 9.50E-07 | 8.24E-07 | 6.08E-06 | 8.29E-09 | 1.89E-05 |
| KIDNEYS | G | 1.20E-06 | 1.87E-05 | 1.97E-06 | 1.97E-06 | 5.09E-06 | 2.66E-06 | 2.45E-06 | 5.55E-05 | 6.26E-08 | 3.92E-08 | 1.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 1.20E-06 | 1.87E-05 | 1.97E-06 | 1.97E-06 | 5.09E-06 | 2.66E-06 | 2.45E-06 | 5.55E-05 | 6.26E-08 | 3.92E-08 | 1.75E-05 |
| LIVER | G | 6.75E-07 | 1.31E-05 | 1.62E-06 | 1.62E-06 | 1.91E-06 | 2.76E-06 | 1.58E-06 | 1.26E-06 | 4.15E-08 | 1.22E-07 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 6.75E-07 | 1.31E-05 | 1.62E-06 | 1.62E-06 | 1.91E-06 | 2.76E-06 | 1.58E-06 | 1.26E-06 | 4.15E-08 | 1.22E-07 | 1.88E-05 |
| LUNGS | G | 7.59E-08 | 6.85E-06 | 2.86E-06 | 2.86E-06 | 3.39E-06 | 3.43E-06 | 2.10E-06 | 1.01E-05 | 1.21E-08 | 1.49E-06 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 7.59E-08 | 6.85E-06 | 2.86E-06 | 2.86E-06 | 3.39E-06 | 3.43E-06 | 2.10E-06 | 1.01E-05 | 1.21E-08 | 1.49E-06 | 1.88E-05 |
| RESP LYM NODE | G | 7.59E-08 | 6.85E-06 | 2.86E-06 | 2.86E-06 | 3.39E-06 | 3.43E-06 | 2.10E-06 | 1.01E-05 | 1.21E-08 | 1.49E-06 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 7.59E-08 | 6.85E-06 | 2.86E-06 | 2.86E-06 | 3.39E-06 | 3.43E-06 | 2.10E-06 | 1.01E-05 | 1.21E-08 | 1.49E-06 | 1.88E-05 |
| MUSCLE* | G | 1.31E-05 | 1.21E-05 | 3.16E-06 | 3.16E-06 | 4.00E-06 | 3.52E-06 | 6.31E-06 | 8.86E-06 | 4.94E-06 | 1.22E-05 | 1.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 1.31E-05 | 1.21E-05 | 3.16E-06 | 3.16E-06 | 4.00E-06 | 3.52E-06 | 6.31E-06 | 8.86E-06 | 4.94E-06 | 1.22E-05 | 1.67E-05 |
| OVARIES | G | 2.35E-02 | 3.49E-07 | 2.87E-06 | 2.87E-06 | 6.42E-06 | 2.39E-06 | 7.89E-07 | 6.73E-07 | 2.02E-46 | 9.69E-09 | 1.43E-05 |
| | B | 3.00E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 5.35E-02 | 3.49E-07 | 2.87E-06 | 2.87E-06 | 6.42E-06 | 2.39E-06 | 7.89E-07 | 6.73E-07 | 2.02E-46 | 9.69E-09 | 1.90E-05 |

50-TIN-113 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 5.18E-07 | 5.32E-03 | 2.01E-06 | 2.01E-06 | 2.58E-06 | 2.02E-06 | 9.69E-07 | 1.62E-04 | 6.72E-08 | 9.96E-08 | 1.59E-05 |
| | B | 0.0 | 3.30E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 5.18E-07 | 8.62E-03 | 2.01E-06 | 2.01E-06 | 2.58E-06 | 2.02E-06 | 9.69E-07 | 1.62E-04 | 6.72E-08 | 9.96E-08 | 2.06E-05 |
| SKELETON BONE | G | 5.25E-06 | 3.63E-06 | 7.62E-05 | 7.62E-05 | 4.83E-05 | 6.18E-05 | 7.90E-06 | 4.23E-06 | 1.23E-06 | 2.24E-06 | 1.95E-05 |
| | B | 0.0 | 0.0 | 6.60E-05 | 6.40E-05 | 1.33E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 5.25E-06 | 3.63E-06 | 1.42E-04 | 1.40E-04 | 4.96E-05 | 6.18E-05 | 7.90E-06 | 4.23E-06 | 1.23E-06 | 2.24E-06 | 2.42E-05 |
| R MARROW | G | 2.10E-05 | 6.74E-06 | 7.25E-05 | 7.25E-05 | 1.97E-04 | 6.30E-05 | 7.20E-06 | 4.83E-06 | 8.73E-07 | 2.23E-06 | 2.16E-05 |
| | B | 0.0 | 0.0 | 7.31E-08 | 6.63E-06 | 2.15E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 2.10E-05 | 6.74E-06 | 7.26E-05 | 7.91E-05 | 4.13E-04 | 6.30E-05 | 7.20E-06 | 4.83E-06 | 8.73E-07 | 2.23E-06 | 2.63E-05 |
| Y MARROW | G | 7.29E-06 | 3.90E-06 | 7.29E-05 | 7.29E-05 | 6.96E-05 | 1.26E-04 | 9.64E-06 | 6.36E-06 | 3.97E-07 | 1.14E-06 | 1.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 7.29E-06 | 3.90E-06 | 7.29E-05 | 7.29E-05 | 6.96E-05 | 3.46E-04 | 9.64E-06 | 6.36E-06 | 3.97E-07 | 1.14E-06 | 2.46E-05 |
| T E CL | G | 5.25E-06 | 3.63E-06 | 7.51E-05 | 7.51E-05 | 7.54E-05 | 7.38E-05 | 7.90E-06 | 4.23E-06 | 1.23E-06 | 2.24E-06 | 1.95E-05 |
| | B | 0.0 | 0.0 | 8.09E-06 | 1.65E-05 | 9.90E-05 | 5.50E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 5.25E-06 | 3.63E-06 | 8.32E-05 | 9.17E-05 | 1.74E-04 | 1.29E-04 | 7.90E-06 | 4.23E-06 | 1.23E-06 | 2.24E-06 | 2.42E-05 |
| SKIN | G | 6.82E-07 | 6.83E-07 | 2.63E-06 | 2.63E-06 | 2.27E-06 | 3.40E-06 | 4.38E-05 | 1.34E-06 | 1.50E-05 | 4.73E-06 | 7.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.27E-04 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 6.82E-07 | 6.83E-07 | 2.63E-06 | 2.63E-06 | 2.27E-06 | 3.40E-06 | 1.71E-04 | 1.34E-06 | 1.50E-05 | 4.73E-06 | 1.18E-05 |
| SPLEEN | G | 5.98E-07 | 1.61E-04 | 2.16E-06 | 2.16E-06 | 1.68E-06 | 2.27E-06 | 1.42E-06 | 2.78E-03 | 3.88E-08 | 1.18E-07 | 1.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-03 | 0.0 | 0.0 | 4.72E-06 |
| | T | 5.98E-07 | 1.61E-04 | 2.16E-06 | 2.16E-06 | 1.68E-06 | 2.27E-06 | 1.42E-06 | 4.61E-03 | 3.88E-08 | 1.18E-07 | 1.88E-05 |
| TESTES | G | 2.02E-46 | 7.15E-08 | 9.67E-07 | 9.67E-07 | 4.62E-07 | 1.56E-06 | 9.34E-06 | 7.02E-08 | 9.12E-03 | 1.35E-09 | 9.90E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.43E-03 | 0.0 | 4.72E-06 |
| | T | 2.02E-46 | 7.15E-08 | 9.67E-07 | 9.67E-07 | 4.62E-07 | 1.56E-06 | 9.34E-06 | 7.02E-08 | 1.85E-02 | 1.35E-09 | 1.46E-05 |
| THYMUS | G | 4.12E-08 | 7.92E-07 | 1.11E-06 | 1.11E-06 | 1.54E-06 | 2.13E-06 | 1.65E-06 | 3.84E-07 | 5.45E-09 | 9.24E-06 | 1.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 4.12E-08 | 7.92E-07 | 1.11E-06 | 1.11E-06 | 1.54E-06 | 2.13E-06 | 1.65E-06 | 3.84E-07 | 5.45E-09 | 9.24E-06 | 2.17E-05 |
| THYROID | G | 9.70E-09 | 1.54E-07 | 1.90E-06 | 1.90E-06 | 1.24E-06 | 2.11E-06 | 4.28E-06 | 1.17E-07 | 1.35E-09 | 1.33E-02 | 1.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-02 | 4.72E-06 |
| | T | 9.70E-09 | 1.54E-07 | 1.90E-06 | 1.90E-06 | 1.24E-06 | 2.11E-06 | 4.28E-06 | 1.17E-07 | 1.35E-09 | 2.98E-02 | 1.75E-05 |
| UTERUS | G | 1.08E-04 | 6.67E-07 | 1.16E-06 | 1.16E-06 | 3.60E-06 | 1.15E-06 | 7.40E-07 | 4.10E-07 | 2.02E-46 | 9.08E-09 | 1.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.72E-06 |
| | T | 1.08E-04 | 6.67E-07 | 1.16E-06 | 1.16E-06 | 3.60E-06 | 1.15E-06 | 7.40E-07 | 4.10E-07 | 2.02E-46 | 9.08E-09 | 1.93E-05 |
| T BODY | G | 1.53E-05 | 1.52E-05 | 1.40E-05 | 1.40E-05 | 1.43E-05 | 1.35E-05 | 7.50E-06 | 1.45E-05 | 1.21E-05 | 1.28E-05 | 1.30E-05 |
| | B | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 | 4.72E-06 |
| | T | 2.00E-05 | 1.99E-05 | 1.87E-05 | 1.87E-05 | 1.90E-05 | 1.82E-05 | 1.22E-05 | 1.92E-05 | 1.68E-05 | 1.75E-05 | 1.78E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA B5, 190 (1970)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 51-ANTIMONY-122 (TR=2.800E 00 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.34E-02 | 1.70E-05 | 1.54E-04 | 8.84E-05 | 7.55E-05 | 3.57E-05 | 8.96E-04 | 3.50E-04 | 1.75E-04 | 1.75E-04 | 1.10E-04 |
| | B | 2.08E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.11E 00 | 1.70E-05 | 1.54E-04 | 8.84E-05 | 7.55E-05 | 3.57E-05 | 8.96E-04 | 3.50E-04 | 1.75E-04 | 1.75E-04 | 1.10E-04 |
| BLAD WALL | G | 9.65E-06 | 5.32E-03 | 3.36E-05 | 2.31E-04 | 1.40E-04 | 3.98E-04 | 2.88E-05 | 2.32E-05 | 5.59E-06 | 5.59E-06 | 1.28E-04 |
| | B | 0.0 | 7.28E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.65E-06 | 7.81E-02 | 3.36E-05 | 2.31E-04 | 1.40E-04 | 3.98E-04 | 2.88E-05 | 2.32E-05 | 5.59E-06 | 5.59E-06 | 1.28E-04 |
| GI TRACT S WALL | G | 2.12E-04 | 2.60E-05 | 3.75E-03 | 2.45E-04 | 2.59E-04 | 1.27E-04 | 2.41E-04 | 1.37E-04 | 1.34E-04 | 1.34E-04 | 1.01E-04 |
| | B | 0.0 | 0.0 | 5.82E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.12E-04 | 2.60E-05 | 6.20E-02 | 2.45E-04 | 2.59E-04 | 1.27E-04 | 2.41E-04 | 1.37E-04 | 1.34E-04 | 1.34E-04 | 1.01E-04 |
| SI+CONT | G | 6.92E-05 | 1.89E-04 | 1.88E-04 | 2.23E-03 | 1.17E-03 | 6.41E-04 | 1.98E-04 | 1.14E-04 | 2.07E-05 | 2.07E-05 | 1.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 3.64E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.92E-05 | 1.89E-04 | 1.88E-04 | 3.86E-02 | 1.17E-03 | 6.41E-04 | 1.98E-04 | 1.14E-04 | 2.07E-05 | 2.07E-05 | 1.12E-04 |
| ULI WALL | G | 7.65E-05 | 1.65E-04 | 2.34E-04 | 1.64E-03 | 3.09E-03 | 3.01E-04 | 2.07E-04 | 1.82E-04 | 2.81E-05 | 2.81E-05 | 1.17E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 6.61E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.65E-05 | 1.65E-04 | 2.34E-04 | 1.64E-03 | 6.92E-02 | 3.01E-04 | 2.07E-04 | 1.82E-04 | 2.81E-05 | 2.81E-05 | 1.17E-04 |
| LLI WALL | G | 2.45E-05 | 5.03E-04 | 9.27E-05 | 4.87E-04 | 2.19E-04 | 3.71E-03 | 6.34E-05 | 2.29E-05 | 5.85E-06 | 5.85E-06 | 1.22E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.45E-05 | 5.03E-04 | 9.27E-05 | 4.87E-04 | 2.19E-04 | 1.12E-01 | 6.34E-05 | 2.29E-05 | 5.85E-06 | 5.85E-06 | 1.22E-04 |
| KIDNEYS | G | 8.22E-04 | 2.76E-05 | 2.36E-04 | 2.28E-04 | 1.97E-04 | 6.08E-05 | 5.28E-03 | 2.69E-04 | 7.49E-05 | 7.49E-05 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.39E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.22E-04 | 2.76E-05 | 2.36E-04 | 2.28E-04 | 1.97E-04 | 6.08E-05 | 9.92E-02 | 2.69E-04 | 7.49E-05 | 7.49E-05 | 1.04E-04 |
| LIVER | G | 3.49E-04 | 2.08E-05 | 1.46E-04 | 1.31E-04 | 1.77E-04 | 2.56E-05 | 2.85E-04 | 1.85E-03 | 1.71E-04 | 1.71E-04 | 8.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-02 | 0.0 | 0.0 | 0.0 |
| | T | 3.49E-04 | 2.08E-05 | 1.46E-04 | 1.31E-04 | 1.77E-04 | 2.56E-05 | 2.85E-04 | 1.80E-02 | 1.71E-04 | 1.71E-04 | 8.08E-05 |
| LUNGS | G | 1.68E-04 | 3.94E-06 | 1.33E-04 | 2.45E-05 | 2.55E-05 | 8.13E-06 | 6.92E-05 | 1.73E-04 | 1.05E-03 | 1.05E-03 | 9.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.91E-02 | 2.91E-02 | 0.0 |
| | T | 1.68E-04 | 3.94E-06 | 1.33E-04 | 2.45E-05 | 2.55E-05 | 8.13E-06 | 6.92E-05 | 1.73E-04 | 3.02E-02 | 3.02E-02 | 9.66E-05 |
| RESP LYM NODE | G | 1.68E-04 | 3.94E-06 | 1.33E-04 | 2.45E-05 | 2.55E-05 | 8.13E-06 | 6.92E-05 | 1.73E-04 | 1.05E-03 | 1.05E-03 | 9.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.91E-02 | 1.94E 00 | 0.0 |
| | T | 1.68E-04 | 3.94E-06 | 1.33E-04 | 2.45E-05 | 2.55E-05 | 8.13E-06 | 6.92E-05 | 1.73E-04 | 3.01E-02 | 1.94E 00 | 9.66E-05 |
| MUSCLE* | G | 1.10E-04 | 1.28E-04 | 1.01E-04 | 1.12E-04 | 1.07E-04 | 1.22E-04 | 1.04E-04 | 8.08E-05 | 9.66E-05 | 9.66E-05 | 1.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-03 |
| | T | 1.10E-04 | 1.28E-04 | 1.01E-04 | 1.12E-04 | 1.07E-04 | 1.22E-04 | 1.04E-04 | 8.08E-05 | 9.66E-05 | 9.66E-05 | 1.15E-03 |
| OVARIES | G | 3.91E-05 | 4.30E-04 | 4.82E-05 | 6.47E-04 | 8.50E-04 | 1.15E-03 | 8.88E-05 | 2.09E-05 | 1.13E-05 | 1.13E-05 | 1.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.91E-05 | 4.30E-04 | 4.82E-05 | 6.47E-04 | 8.50E-04 | 1.15E-03 | 8.88E-05 | 2.09E-05 | 1.13E-05 | 1.13E-05 | 1.43E-04 |

51-ANTIMONY-122 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 6.07E-04 | 1.92E-05 | 1.25E-03 | 1.49E-04 | 1.32E-04 | 5.38E-05 | 4.75E-04 | 3.39E-04 | 1.94E-04 | 1.94E-04 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.07E-04 | 1.92E-05 | 1.25E-03 | 1.49E-04 | 1.32E-04 | 5.38E-05 | 4.75E-04 | 3.39E-04 | 1.94E-04 | 1.94E-04 | 1.29E-04 |
| SKELETON BONE | G | 9.83E-05 | 4.19E-05 | 4.33E-05 | 5.64E-05 | 5.17E-05 | 7.48E-05 | 7.07E-05 | 5.27E-05 | 7.20E-05 | 7.20E-05 | 8.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.83E-05 | 4.19E-05 | 4.33E-05 | 5.64E-05 | 5.17E-05 | 7.48E-05 | 7.07E-05 | 5.27E-05 | 7.20E-05 | 7.20E-05 | 8.01E-05 |
| R MARROW | G | 1.76E-04 | 8.91E-05 | 7.46E-05 | 1.78E-04 | 1.54E-04 | 2.24E-04 | 1.79E-04 | 7.68E-05 | 9.08E-05 | 9.08E-05 | 9.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.76E-04 | 8.91E-05 | 7.46E-05 | 1.78E-04 | 1.54E-04 | 2.24E-04 | 1.79E-04 | 7.68E-05 | 9.08E-05 | 9.08E-05 | 9.87E-05 |
| Y MARROW | G | 9.51E-05 | 3.84E-05 | 6.02E-05 | 7.80E-05 | 7.33E-05 | 9.25E-05 | 8.78E-05 | 7.73E-05 | 7.60E-05 | 7.60E-05 | 8.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.51E-05 | 3.84E-05 | 6.02E-05 | 7.80E-05 | 7.33E-05 | 9.25E-05 | 8.78E-05 | 7.73E-05 | 7.60E-05 | 7.60E-05 | 8.07E-05 |
| T E CL | G | 9.83E-05 | 4.19E-05 | 4.33E-05 | 5.64E-05 | 5.17E-05 | 7.48E-05 | 7.07E-05 | 5.27E-05 | 7.20E-05 | 7.20E-05 | 8.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.83E-05 | 4.19E-05 | 4.33E-05 | 5.64E-05 | 5.17E-05 | 7.48E-05 | 7.07E-05 | 5.27E-05 | 7.20E-05 | 7.20E-05 | 8.01E-05 |
| SKIN | G | 4.99E-05 | 4.77E-05 | 4.32E-05 | 3.91E-05 | 4.03E-05 | 4.29E-05 | 4.82E-05 | 4.39E-05 | 4.94E-05 | 4.94E-05 | 6.65E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.99E-05 | 4.77E-05 | 4.32E-05 | 3.91E-05 | 4.03E-05 | 4.29E-05 | 4.82E-05 | 4.39E-05 | 4.94E-05 | 4.94E-05 | 6.65E-05 |
| SPLEEN | G | 4.58E-04 | 1.67E-05 | 6.82E-04 | 1.13E-04 | 9.03E-05 | 6.95E-05 | 5.97E-04 | 7.38E-05 | 1.54E-04 | 1.54E-04 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.58E-04 | 1.67E-05 | 6.82E-04 | 1.13E-04 | 9.03E-05 | 6.95E-05 | 5.97E-04 | 7.38E-05 | 1.54E-04 | 1.54E-04 | 1.06E-04 |
| TESTES | G | 5.38E-06 | 3.63E-04 | 3.56E-06 | 2.83E-05 | 3.79E-05 | 1.42E-04 | 1.12E-05 | 1.00E-05 | 1.92E-06 | 1.92E-06 | 8.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.38E-06 | 3.63E-04 | 3.56E-06 | 2.83E-05 | 3.79E-05 | 1.42E-04 | 1.12E-05 | 1.00E-05 | 1.92E-06 | 1.92E-06 | 8.96E-05 |
| THYMUS | G | 6.47E-05 | 2.49E-06 | 2.42E-05 | 1.04E-05 | 1.13E-05 | 4.44E-06 | 2.57E-05 | 9.00E-05 | 2.70E-04 | 2.70E-04 | 1.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.47E-05 | 2.49E-06 | 2.42E-05 | 1.04E-05 | 1.13E-05 | 4.44E-06 | 2.57E-05 | 9.00E-05 | 2.70E-04 | 2.70E-04 | 1.18E-04 |
| THYROID | G | 1.46E-05 | 7.85E-07 | 1.13E-05 | 3.09E-06 | 3.30E-06 | 1.44E-06 | 7.14E-06 | 1.35E-05 | 8.92E-05 | 8.92E-05 | 9.97E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.46E-05 | 7.85E-07 | 1.13E-05 | 3.09E-06 | 3.30E-06 | 1.44E-06 | 7.14E-06 | 1.35E-05 | 8.92E-05 | 8.92E-05 | 9.97E-05 |
| UTERUS | G | 2.87E-05 | 1.06E-03 | 6.56E-05 | 6.22E-04 | 3.24E-04 | 4.00E-04 | 6.04E-05 | 3.13E-05 | 7.34E-06 | 7.34E-06 | 1.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.87E-05 | 1.06E-03 | 6.56E-05 | 6.22E-04 | 3.24E-04 | 4.00E-04 | 6.04E-05 | 3.13E-05 | 7.34E-06 | 7.34E-06 | 1.45E-04 |
| T BODY | G | 1.21E-04 | 1.35E-04 | 1.28E-04 | 1.41E-04 | 1.38E-04 | 1.37E-04 | 1.22E-04 | 1.23E-04 | 1.05E-04 | 1.05E-04 | 1.04E-04 |
| | B | 4.16E-04 | 4.68E-05 | 1.25E-04 | 3.33E-04 | 1.98E-04 | 2.46E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 |
| | T | 5.37E-04 | 1.81E-04 | 2.53E-04 | 4.74E-04 | 3.36E-04 | 3.83E-04 | 5.38E-04 | 5.39E-04 | 5.20E-04 | 5.20E-04 | 5.20E-04 |

CONTINUED NEXT PAGE

51-ANTIMONY-122 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 4.35E-05 | 5.89E-04 | 1.25E-04 | 1.25E-04 | 1.39E-04 | 7.12E-05 | 4.98E-05 | 4.47E-04 | 5.38E-06 | 1.46E-05 | 1.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 4.35E-05 | 5.89E-04 | 1.25E-04 | 1.25E-04 | 1.39E-04 | 7.12E-05 | 4.98E-05 | 4.47E-04 | 5.38E-06 | 1.46E-05 | 5.76E-04 |
| BLAD WALL | G | 4.83E-04 | 1.35E-05 | 4.51E-05 | 4.51E-05 | 5.44E-05 | 1.94E-05 | 4.75E-05 | 1.25E-05 | 3.69E-04 | 7.91E-07 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 4.83E-04 | 1.35E-05 | 4.51E-05 | 4.51E-05 | 5.44E-05 | 1.94E-05 | 4.75E-05 | 1.25E-05 | 3.69E-04 | 7.91E-07 | 5.50E-04 |
| GI TRACT S WALL | G | 5.98E-05 | 1.22E-03 | 4.18E-05 | 4.18E-05 | 7.41E-05 | 5.39E-05 | 4.72E-05 | 6.99E-04 | 8.11E-06 | 9.48E-06 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 5.98E-05 | 1.22E-03 | 4.18E-05 | 4.18E-05 | 7.41E-05 | 5.39E-05 | 4.72E-05 | 6.99E-04 | 8.11E-06 | 9.48E-06 | 5.43E-04 |
| SI+CONT | G | 8.43E-04 | 1.27E-04 | 5.85E-05 | 5.85E-05 | 1.93E-04 | 7.56E-05 | 4.06E-05 | 1.00E-04 | 3.88E-05 | 9.60E-07 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 8.43E-04 | 1.27E-04 | 5.85E-05 | 5.85E-05 | 1.93E-04 | 7.56E-05 | 4.06E-05 | 1.00E-04 | 3.88E-05 | 9.60E-07 | 5.58E-04 |
| ULI WALL | G | 7.92E-04 | 1.56E-04 | 5.15E-05 | 5.15E-05 | 1.47E-04 | 6.19E-05 | 4.31E-05 | 1.01E-04 | 2.44E-05 | 1.22E-06 | 1.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 7.92E-04 | 1.56E-04 | 5.15E-05 | 5.15E-05 | 1.47E-04 | 6.19E-05 | 4.31E-05 | 1.01E-04 | 2.44E-05 | 1.22E-06 | 5.56E-04 |
| LLI WALL | G | 1.01E-03 | 3.90E-05 | 6.97E-05 | 6.97E-05 | 2.20E-04 | 5.95E-05 | 4.45E-05 | 4.96E-05 | 1.98E-04 | 1.21E-06 | 1.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 1.01E-03 | 3.90E-05 | 6.97E-05 | 6.97E-05 | 2.20E-04 | 5.95E-05 | 4.45E-05 | 4.96E-05 | 1.98E-04 | 1.21E-06 | 5.59E-04 |
| KIDNEYS | G | 8.17E-05 | 4.44E-04 | 6.92E-05 | 6.92E-05 | 1.71E-04 | 8.75E-05 | 5.48E-05 | 6.07E-04 | 8.02E-06 | 4.53E-06 | 1.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 8.17E-05 | 4.44E-04 | 6.92E-05 | 6.92E-05 | 1.71E-04 | 8.75E-05 | 5.48E-05 | 6.07E-04 | 8.02E-06 | 4.53E-06 | 5.43E-04 |
| LIVER | G | 4.48E-05 | 2.94E-04 | 5.14E-05 | 5.14E-05 | 7.35E-05 | 7.93E-05 | 4.91E-05 | 7.74E-05 | 4.45E-06 | 1.20E-05 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 4.48E-05 | 2.94E-04 | 5.14E-05 | 5.14E-05 | 7.35E-05 | 7.93E-05 | 4.91E-05 | 7.74E-05 | 4.45E-06 | 1.20E-05 | 5.42E-04 |
| LUNGS | G | 8.78E-06 | 1.71E-04 | 7.11E-05 | 7.11E-05 | 8.69E-05 | 7.26E-05 | 4.96E-05 | 1.57E-04 | 1.25E-06 | 7.80E-05 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 8.78E-06 | 1.71E-04 | 7.11E-05 | 7.11E-05 | 8.69E-05 | 7.26E-05 | 4.96E-05 | 1.57E-04 | 1.25E-06 | 7.80E-05 | 5.26E-04 |
| RESP LYM NODE | G | 8.78E-06 | 1.71E-04 | 7.11E-05 | 7.11E-05 | 8.69E-05 | 7.26E-05 | 4.96E-05 | 1.57E-04 | 1.25E-06 | 7.80E-05 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 8.78E-06 | 1.71E-04 | 7.11E-05 | 7.11E-05 | 8.69E-05 | 7.26E-05 | 4.96E-05 | 1.57E-04 | 1.25E-06 | 7.80E-05 | 5.26E-04 |
| MUSCLE* | G | 1.43E-04 | 1.29E-04 | 8.01E-05 | 8.01E-05 | 9.44E-05 | 7.46E-05 | 6.65E-05 | 1.06E-04 | 8.96E-05 | 9.97E-05 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 1.43E-04 | 1.29E-04 | 8.01E-05 | 8.01E-05 | 9.44E-05 | 7.46E-05 | 6.65E-05 | 1.06E-04 | 8.96E-05 | 9.97E-05 | 5.20E-04 |
| OVARIES | G | 5.52E-02 | 3.52E-05 | 7.69E-05 | 7.69E-05 | 2.49E-04 | 6.20E-05 | 2.56E-05 | 7.07E-05 | 8.43E-48 | 1.44E-06 | 1.18E-04 |
| | B | 2.65E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 2.70E 00 | 3.52E-05 | 7.69E-05 | 7.69E-05 | 2.49E-04 | 6.20E-05 | 2.56E-05 | 7.07E-05 | 8.43E-48 | 1.44E-06 | 5.34E-04 |

51-ANTIMONY-122 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 4.46E-05 | 1.53E-02 | 6.65E-05 | 6.65E-05 | 1.17E-04 | 9.14E-05 | 4.13E-05 | 1.39E-03 | 3.60E-06 | 5.05E-06 | 1.24E-04 |
| | B | 0.0 | 2.91E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 4.46E-05 | 3.06E-01 | 6.65E-05 | 6.65E-05 | 1.17E-04 | 9.14E-05 | 4.13E-05 | 1.39E-03 | 3.60E-06 | 5.05E-06 | 5.39E-04 |
| SKELETON BONE | G | 6.61E-05 | 6.58E-05 | 2.51E-04 | 2.51E-04 | 1.68E-04 | 1.87E-04 | 6.17E-05 | 5.54E-05 | 4.77E-05 | 5.43E-05 | 1.08E-04 |
| | B | 0.0 | 0.0 | 5.82E-03 | 3.38E-03 | 1.63E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 6.61E-05 | 6.58E-05 | 6.07E-03 | 3.63E-03 | 1.79E-03 | 1.87E-04 | 6.17E-05 | 5.54E-05 | 4.77E-05 | 5.43E-05 | 5.24E-04 |
| R MARROW | G | 2.20E-04 | 1.24E-04 | 2.24E-04 | 2.24E-04 | 5.39E-04 | 1.94E-04 | 5.74E-05 | 8.15E-05 | 3.78E-05 | 5.99E-05 | 1.19E-04 |
| | B | 0.0 | 0.0 | 3.32E-04 | 8.13E-03 | 1.31E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 2.20E-04 | 1.24E-04 | 5.56E-04 | 8.36E-03 | 1.36E-02 | 1.94E-04 | 5.74E-05 | 8.15E-05 | 3.78E-05 | 5.99E-05 | 5.34E-04 |
| Y MARROW | G | 8.83E-05 | 7.73E-05 | 2.17E-04 | 2.17E-04 | 2.07E-04 | 3.17E-04 | 6.54E-05 | 8.33E-05 | 2.05E-05 | 2.89E-05 | 1.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 8.83E-05 | 7.73E-05 | 2.17E-04 | 2.17E-04 | 2.07E-04 | 1.97E-02 | 6.54E-05 | 8.33E-05 | 2.05E-05 | 2.89E-05 | 5.17E-04 |
| T E CL | G | 6.61E-05 | 6.58E-05 | 2.51E-04 | 2.51E-04 | 2.27E-04 | 2.06E-04 | 6.17E-05 | 5.54E-05 | 4.77E-05 | 5.43E-05 | 1.08E-04 |
| | B | 0.0 | 0.0 | 3.71E-03 | 5.80E-03 | 5.84E-03 | 4.85E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 6.61E-05 | 6.58E-05 | 3.96E-03 | 6.05E-03 | 6.06E-03 | 5.06E-03 | 6.17E-05 | 5.54E-05 | 4.77E-05 | 5.43E-05 | 5.24E-04 |
| SKIN | G | 3.86E-05 | 3.74E-05 | 6.29E-05 | 6.29E-05 | 5.43E-05 | 7.03E-05 | 1.48E-04 | 4.61E-05 | 1.15E-04 | 6.32E-05 | 6.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-02 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 3.86E-05 | 3.74E-05 | 6.29E-05 | 6.29E-05 | 5.43E-05 | 7.03E-05 | 1.13E-02 | 4.61E-05 | 1.15E-04 | 6.32E-05 | 4.82E-04 |
| SPLEEN | G | 4.93E-05 | 1.37E-03 | 6.13E-05 | 6.13E-05 | 6.12E-05 | 7.24E-05 | 4.94E-05 | 9.43E-03 | 8.70E-06 | 1.03E-05 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-01 | 0.0 | 0.0 | 4.16E-04 |
| | T | 4.93E-05 | 1.37E-03 | 6.13E-05 | 6.13E-05 | 6.12E-05 | 7.24E-05 | 4.94E-05 | 1.71E-01 | 8.70E-06 | 1.03E-05 | 5.44E-04 |
| TESTES | G | 8.43E-48 | 5.35E-06 | 4.28E-05 | 4.28E-05 | 3.12E-05 | 6.94E-05 | 6.15E-05 | 7.19E-06 | 2.60E-02 | 2.97E-07 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.32E-01 | 0.0 | 4.16E-04 |
| | T | 8.43E-48 | 5.35E-06 | 4.28E-05 | 4.28E-05 | 3.12E-05 | 6.94E-05 | 6.15E-05 | 7.19E-06 | 8.57E-01 | 2.97E-07 | 5.50E-04 |
| THYMUS | G | 4.67E-06 | 3.85E-05 | 5.62E-05 | 5.62E-05 | 3.53E-05 | 2.74E-05 | 6.09E-05 | 3.73E-05 | 9.09E-07 | 3.11E-04 | 1.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 4.67E-06 | 3.85E-05 | 5.62E-05 | 5.62E-05 | 3.53E-05 | 2.74E-05 | 6.09E-05 | 3.73E-05 | 9.09E-07 | 3.11E-04 | 5.23E-04 |
| THYROID | G | 1.45E-06 | 1.17E-05 | 7.35E-05 | 7.35E-05 | 6.60E-05 | 3.30E-05 | 5.93E-05 | 1.10E-05 | 2.97E-07 | 3.50E-02 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E 00 | 4.16E-04 |
| | T | 1.45E-06 | 1.17E-05 | 7.35E-05 | 7.35E-05 | 6.60E-05 | 3.30E-05 | 5.93E-05 | 1.10E-05 | 2.97E-07 | 1.49E 00 | 5.21E-04 |
| UTERUS | G | 1.28E-03 | 4.52E-05 | 4.59E-05 | 4.59E-05 | 1.34E-04 | 4.82E-05 | 4.36E-05 | 3.55E-05 | 8.43E-48 | 1.37E-06 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-04 |
| | T | 1.28E-03 | 4.52E-05 | 4.59E-05 | 4.59E-05 | 1.34E-04 | 4.82E-05 | 4.36E-05 | 3.55E-05 | 8.43E-48 | 1.37E-06 | 5.49E-04 |
| T BODY | G | 1.44E-04 | 1.41E-04 | 1.04E-04 | 1.04E-04 | 1.15E-04 | 9.30E-05 | 6.68E-05 | 1.22E-04 | 1.03E-04 | 9.45E-05 | 1.04E-04 |
| | B | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 | 4.16E-04 |
| | T | 5.60E-04 | 5.57E-04 | 5.19E-04 | 5.19E-04 | 5.31E-04 | 5.09E-04 | 4.83E-04 | 5.38E-04 | 5.19E-04 | 5.10E-04 | 5.20E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-GLAUBMAN, M. J., PHYS. REV. 98 645 (1955)
DATE DECAY DATA REVIEWED-JUNE 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 51-ANTIMONY-124 (TR=6.000E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.41E-01 | 8.16E-05 | 8.65E-04 | 3.99E-04 | 3.42E-04 | 1.58E-04 | 3.69E-03 | 1.51E-03 | 6.15E-04 | 6.15E-04 | 4.78E-04 |
| | B | 1.31E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.46E 00 | 8.16E-05 | 8.65E-04 | 3.99E-04 | 3.42E-04 | 1.58E-04 | 3.69E-03 | 1.51E-03 | 6.15E-04 | 6.15E-04 | 4.78E-04 |
| BLAD WALL | G | 7.19E-05 | 2.18E-02 | 1.40E-04 | 9.72E-04 | 6.15E-04 | 1.83E-03 | 1.34E-04 | 9.22E-05 | 3.06E-05 | 3.06E-05 | 5.52E-04 |
| | B | 0.0 | 4.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.19E-05 | 6.78E-02 | 1.40E-04 | 9.72E-04 | 6.15E-04 | 1.83E-03 | 1.34E-04 | 9.22E-05 | 3.06E-05 | 3.06E-05 | 5.52E-04 |
| GI TRACT S WALL | G | 8.51E-04 | 1.43E-04 | 1.56E-02 | 1.08E-03 | 1.06E-03 | 5.33E-04 | 9.92E-04 | 6.16E-04 | 6.21E-04 | 6.21E-04 | 4.42E-04 |
| | B | 0.0 | 0.0 | 3.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.51E-04 | 1.43E-04 | 5.23E-02 | 1.08E-03 | 1.06E-03 | 5.33E-04 | 9.92E-04 | 6.16E-04 | 6.21E-04 | 6.21E-04 | 4.42E-04 |
| SI+CONT | G | 3.25E-04 | 8.45E-04 | 7.95E-04 | 9.28E-03 | 4.78E-03 | 2.73E-03 | 8.76E-04 | 5.03E-04 | 1.04E-04 | 1.04E-04 | 4.81E-04 |
| | B | 0.0 | 0.0 | 0.0 | 2.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.25E-04 | 8.45E-04 | 7.95E-04 | 3.23E-02 | 4.78E-03 | 2.73E-03 | 8.76E-04 | 5.03E-04 | 1.04E-04 | 1.04E-04 | 4.81E-04 |
| ULI WALL | G | 3.33E-04 | 6.59E-04 | 1.04E-03 | 6.91E-03 | 1.30E-02 | 1.29E-03 | 8.83E-04 | 7.37E-04 | 1.37E-04 | 1.37E-04 | 5.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.18E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.33E-04 | 6.59E-04 | 1.04E-03 | 6.91E-03 | 5.48E-02 | 1.29E-03 | 8.83E-04 | 7.37E-04 | 1.37E-04 | 1.37E-04 | 5.08E-04 |
| LLI WALL | G | 1.23E-04 | 2.17E-03 | 4.28E-04 | 2.11E-03 | 9.16E-04 | 1.56E-02 | 3.06E-04 | 1.08E-04 | 2.46E-05 | 2.46E-05 | 5.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.81E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.23E-04 | 2.17E-03 | 4.28E-04 | 2.11E-03 | 9.16E-04 | 8.37E-02 | 3.06E-04 | 1.08E-04 | 2.46E-05 | 2.46E-05 | 5.28E-04 |
| KIDNEYS | G | 3.37E-03 | 1.39E-04 | 1.00E-03 | 9.40E-04 | 8.48E-04 | 3.05E-04 | 2.19E-02 | 1.17E-03 | 3.20E-04 | 3.20E-04 | 4.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.37E-03 | 1.39E-04 | 1.00E-03 | 9.40E-04 | 8.48E-04 | 3.05E-04 | 8.13E-02 | 1.17E-03 | 3.20E-04 | 3.20E-04 | 4.52E-04 |
| LIVER | G | 1.49E-03 | 1.02E-04 | 6.36E-04 | 5.76E-04 | 7.75E-04 | 1.30E-04 | 1.20E-03 | 7.71E-03 | 7.30E-04 | 7.30E-04 | 3.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.49E-03 | 1.02E-04 | 6.36E-04 | 5.76E-04 | 7.75E-04 | 1.30E-04 | 1.20E-03 | 1.79E-02 | 7.30E-04 | 7.30E-04 | 3.52E-04 |
| LUNGS | G | 7.38E-04 | 2.66E-05 | 5.58E-04 | 1.12E-04 | 1.30E-04 | 5.42E-05 | 3.02E-04 | 7.61E-04 | 4.40E-03 | 4.40E-03 | 4.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-02 | 1.84E-02 | 0.0 |
| | T | 7.38E-04 | 2.66E-05 | 5.58E-04 | 1.12E-04 | 1.30E-04 | 5.42E-05 | 3.02E-04 | 7.61E-04 | 2.28E-02 | 2.28E-02 | 4.14E-04 |
| RESP LYM NODE | G | 7.38E-04 | 2.66E-05 | 5.58E-04 | 1.12E-04 | 1.30E-04 | 5.42E-05 | 3.02E-04 | 7.61E-04 | 4.40E-03 | 4.40E-03 | 4.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-02 | 1.23E 00 | 0.0 |
| | T | 7.38E-04 | 2.66E-05 | 5.58E-04 | 1.12E-04 | 1.30E-04 | 5.42E-05 | 3.02E-04 | 7.61E-04 | 2.28E-02 | 1.23E 00 | 4.14E-04 |
| MUSCLE* | G | 4.78E-04 | 5.52E-04 | 4.42E-04 | 4.81E-04 | 4.64E-04 | 5.28E-04 | 4.52E-04 | 3.52E-04 | 4.14E-04 | 4.14E-04 | 4.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.57E-04 |
| | T | 4.78E-04 | 5.52E-04 | 4.42E-04 | 4.81E-04 | 4.64E-04 | 5.28E-04 | 4.52E-04 | 3.52E-04 | 4.14E-04 | 4.14E-04 | 1.13E-03 |
| OVARIES | G | 1.27E-04 | 1.96E-03 | 2.82E-04 | 2.58E-03 | 2.99E-03 | 5.04E-03 | 3.95E-04 | 2.17E-04 | 5.63E-05 | 5.63E-05 | 6.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.27E-04 | 1.96E-03 | 2.82E-04 | 2.58E-03 | 2.99E-03 | 5.04E-03 | 3.95E-04 | 2.17E-04 | 5.63E-05 | 5.63E-05 | 6.14E-04 |

51-ANTIMONY-124 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.62E-03 | 9.90E-05 | 5.14E-03 | 5.98E-04 | 6.43E-04 | 2.31E-04 | 1.94E-03 | 1.29E-03 | 7.59E-04 | 7.59E-04 | 5.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.62E-03 | 9.90E-05 | 5.14E-03 | 5.98E-04 | 6.43E-04 | 2.31E-04 | 1.94E-03 | 1.29E-03 | 7.59E-04 | 7.59E-04 | 5.56E-04 |
| SKELETON BONE | G | 4.16E-04 | 1.80E-04 | 1.85E-04 | 2.42E-04 | 2.20E-04 | 3.17E-04 | 3.03E-04 | 2.30E-04 | 3.06E-04 | 3.06E-04 | 3.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.16E-04 | 1.80E-04 | 1.85E-04 | 2.42E-04 | 2.20E-04 | 3.17E-04 | 3.03E-04 | 2.30E-04 | 3.06E-04 | 3.06E-04 | 3.54E-04 |
| R MARROW | G | 7.38E-04 | 3.69E-04 | 3.08E-04 | 7.44E-04 | 6.38E-04 | 9.27E-04 | 7.57E-04 | 3.33E-04 | 3.88E-04 | 3.88E-04 | 4.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.38E-04 | 3.69E-04 | 3.08E-04 | 7.44E-04 | 6.38E-04 | 9.27E-04 | 7.57E-04 | 3.33E-04 | 3.88E-04 | 3.88E-04 | 4.14E-04 |
| Y MARROW | G | 4.07E-04 | 1.67E-04 | 2.60E-04 | 3.31E-04 | 3.09E-04 | 3.92E-04 | 3.73E-04 | 3.39E-04 | 3.19E-04 | 3.19E-04 | 3.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.07E-04 | 1.67E-04 | 2.60E-04 | 3.31E-04 | 3.09E-04 | 3.92E-04 | 3.73E-04 | 3.39E-04 | 3.19E-04 | 3.19E-04 | 3.37E-04 |
| T E CL | G | 4.16E-04 | 1.80E-04 | 1.85E-04 | 2.42E-04 | 2.20E-04 | 3.17E-04 | 3.03E-04 | 2.30E-04 | 3.06E-04 | 3.06E-04 | 3.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.16E-04 | 1.80E-04 | 1.85E-04 | 2.42E-04 | 2.20E-04 | 3.17E-04 | 3.03E-04 | 2.30E-04 | 3.06E-04 | 3.06E-04 | 3.54E-04 |
| SKIN | G | 2.30E-04 | 2.19E-04 | 2.01E-04 | 1.85E-04 | 1.85E-04 | 2.07E-04 | 2.17E-04 | 2.04E-04 | 2.23E-04 | 2.23E-04 | 2.97E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.30E-04 | 2.19E-04 | 2.01E-04 | 1.85E-04 | 1.85E-04 | 2.07E-04 | 2.17E-04 | 2.04E-04 | 2.23E-04 | 2.23E-04 | 2.97E-04 |
| SPLEEN | G | 1.86E-03 | 8.17E-05 | 2.85E-03 | 5.16E-04 | 4.24E-04 | 3.17E-04 | 2.49E-03 | 3.21E-04 | 6.29E-04 | 6.29E-04 | 4.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.86E-03 | 8.17E-05 | 2.85E-03 | 5.16E-04 | 4.24E-04 | 3.17E-04 | 2.49E-03 | 3.21E-04 | 6.29E-04 | 6.29E-04 | 4.60E-04 |
| TESTES | G | 3.01E-05 | 1.47E-03 | 4.35E-05 | 1.73E-04 | 1.61E-04 | 5.75E-04 | 5.64E-05 | 4.95E-05 | 1.25E-05 | 1.25E-05 | 4.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.01E-05 | 1.47E-03 | 4.35E-05 | 1.73E-04 | 1.61E-04 | 5.75E-04 | 5.64E-05 | 4.95E-05 | 1.25E-05 | 1.25E-05 | 4.18E-04 |
| THYMUS | G | 2.41E-04 | 1.57E-05 | 1.73E-04 | 5.27E-05 | 5.68E-05 | 2.51E-05 | 9.27E-05 | 3.03E-04 | 1.27E-03 | 1.27E-03 | 5.97E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.41E-04 | 1.57E-05 | 1.73E-04 | 5.27E-05 | 5.68E-05 | 2.51E-05 | 9.27E-05 | 3.03E-04 | 1.27E-03 | 1.27E-03 | 5.97E-04 |
| THYROID | G | 7.47E-05 | 6.18E-06 | 5.69E-05 | 1.88E-05 | 1.98E-05 | 9.85E-06 | 3.82E-05 | 6.64E-05 | 3.43E-04 | 3.43E-04 | 4.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.47E-05 | 6.18E-06 | 5.69E-05 | 1.88E-05 | 1.98E-05 | 9.85E-06 | 3.82E-05 | 6.64E-05 | 3.43E-04 | 3.43E-04 | 4.28E-04 |
| UTERUS | G | 1.28E-04 | 4.36E-03 | 3.00E-04 | 2.54E-03 | 1.50E-03 | 1.73E-03 | 2.86E-04 | 1.72E-04 | 5.87E-05 | 5.87E-05 | 6.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-04 | 4.36E-03 | 3.00E-04 | 2.54E-03 | 1.50E-03 | 1.73E-03 | 2.86E-04 | 1.72E-04 | 5.87E-05 | 5.87E-05 | 6.45E-04 |
| T BODY | G | 5.23E-04 | 5.77E-04 | 5.50E-04 | 6.03E-04 | 5.91E-04 | 5.88E-04 | 5.28E-04 | 5.27E-04 | 4.47E-04 | 4.47E-04 | 4.52E-04 |
| | B | 2.63E-04 | 2.96E-05 | 7.88E-05 | 2.10E-04 | 1.25E-04 | 1.56E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 |
| | T | 7.85E-04 | 6.07E-04 | 6.29E-04 | 8.13E-04 | 7.16E-04 | 7.44E-04 | 7.91E-04 | 7.90E-04 | 7.10E-04 | 7.10E-04 | 7.15E-04 |

CONTINUED NEXT PAGE

51-ANTIMONY-124 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.82E-04 | 2.36E-03 | 5.48E-04 | 5.48E-04 | 6.13E-04 | 3.44E-04 | 2.61E-04 | 1.98E-03 | 3.01E-05 | 7.14E-05 | 7.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 1.82E-04 | 2.36E-03 | 5.48E-04 | 5.48E-04 | 6.13E-04 | 3.44E-04 | 2.61E-04 | 1.98E-03 | 3.01E-05 | 7.14E-05 | 1.02E-03 |
| BLAD WALL | G | 2.04E-03 | 9.56E-05 | 2.13E-04 | 2.13E-04 | 2.86E-04 | 1.17E-04 | 2.40E-04 | 8.17E-05 | 1.51E-03 | 6.20E-06 | 5.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.04E-03 | 9.56E-05 | 2.13E-04 | 2.13E-04 | 2.86E-04 | 1.17E-04 | 2.40E-04 | 8.17E-05 | 1.51E-03 | 6.20E-06 | 8.30E-04 |
| GI TRACT S WALL | G | 2.98E-04 | 5.11E-03 | 1.85E-04 | 1.85E-04 | 3.29E-04 | 2.37E-04 | 2.07E-04 | 3.03E-03 | 4.03E-05 | 4.87E-05 | 4.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.98E-04 | 5.11E-03 | 1.85E-04 | 1.85E-04 | 3.29E-04 | 2.37E-04 | 2.07E-04 | 3.03E-03 | 4.03E-05 | 4.87E-05 | 7.57E-04 |
| SI+CONT | G | 3.49E-03 | 5.63E-04 | 2.51E-04 | 2.51E-04 | 7.97E-04 | 3.27E-04 | 1.88E-04 | 4.49E-04 | 1.80E-04 | 1.34E-05 | 6.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 3.49E-03 | 5.63E-04 | 2.51E-04 | 2.51E-04 | 7.97E-04 | 3.27E-04 | 1.88E-04 | 4.49E-04 | 1.80E-04 | 1.34E-05 | 8.64E-04 |
| ULI WALL | G | 3.30E-03 | 6.71E-04 | 2.36E-04 | 2.36E-04 | 6.20E-04 | 2.95E-04 | 1.90E-04 | 4.62E-04 | 1.44E-04 | 1.51E-05 | 5.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 3.30E-03 | 6.71E-04 | 2.36E-04 | 2.36E-04 | 6.20E-04 | 2.95E-04 | 1.90E-04 | 4.62E-04 | 1.44E-04 | 1.51E-05 | 8.35E-04 |
| LLI WALL | G | 4.21E-03 | 1.91E-04 | 3.05E-04 | 3.05E-04 | 9.56E-04 | 2.94E-04 | 2.02E-04 | 2.19E-04 | 8.17E-04 | 8.52E-06 | 6.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 4.21E-03 | 1.91E-04 | 3.05E-04 | 3.05E-04 | 9.56E-04 | 2.94E-04 | 2.02E-04 | 2.19E-04 | 8.17E-04 | 8.52E-06 | 9.08E-04 |
| KIDNEYS | G | 3.57E-04 | 1.86E-03 | 3.04E-04 | 3.04E-04 | 7.91E-04 | 3.64E-04 | 2.42E-04 | 2.58E-03 | 4.50E-05 | 4.02E-05 | 5.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 3.57E-04 | 1.86E-03 | 3.04E-04 | 3.04E-04 | 7.91E-04 | 3.64E-04 | 2.42E-04 | 2.58E-03 | 4.50E-05 | 4.02E-05 | 7.88E-04 |
| LIVER | G | 2.15E-04 | 1.23E-03 | 2.38E-04 | 2.38E-04 | 3.30E-04 | 3.52E-04 | 2.22E-04 | 3.45E-04 | 3.33E-05 | 6.96E-05 | 5.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.15E-04 | 1.23E-03 | 2.38E-04 | 2.38E-04 | 3.30E-04 | 3.52E-04 | 2.22E-04 | 3.45E-04 | 3.33E-05 | 6.96E-05 | 7.91E-04 |
| LUNGS | G | 5.09E-05 | 7.13E-04 | 3.14E-04 | 3.14E-04 | 3.86E-04 | 3.18E-04 | 2.29E-04 | 6.65E-04 | 1.09E-05 | 3.42E-04 | 4.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 5.09E-05 | 7.13E-04 | 3.14E-04 | 3.14E-04 | 3.86E-04 | 3.18E-04 | 2.29E-04 | 6.65E-04 | 1.09E-05 | 3.42E-04 | 7.03E-04 |
| RESP LYM NODE | G | 5.09E-05 | 7.13E-04 | 3.14E-04 | 3.14E-04 | 3.86E-04 | 3.18E-04 | 2.29E-04 | 6.65E-04 | 1.09E-05 | 3.42E-04 | 4.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 5.09E-05 | 7.13E-04 | 3.14E-04 | 3.14E-04 | 3.86E-04 | 3.18E-04 | 2.29E-04 | 6.65E-04 | 1.09E-05 | 3.42E-04 | 7.03E-04 |
| MUSCLE* | G | 6.14E-04 | 5.56E-04 | 3.54E-04 | 3.54E-04 | 4.13E-04 | 3.26E-04 | 2.97E-04 | 4.60E-04 | 4.18E-04 | 4.28E-04 | 4.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 6.14E-04 | 5.56E-04 | 3.54E-04 | 3.54E-04 | 4.13E-04 | 3.26E-04 | 2.97E-04 | 4.60E-04 | 4.18E-04 | 4.28E-04 | 7.15E-04 |
| OVARIES | G | 2.33E-01 | 2.14E-04 | 3.07E-04 | 3.07E-04 | 1.06E-03 | 2.88E-04 | 1.65E-04 | 2.07E-04 | 1.85E-48 | 1.01E-05 | 5.88E-04 |
| | B | 1.67E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 1.91E 00 | 2.14E-04 | 3.07E-04 | 3.07E-04 | 1.06E-03 | 2.88E-04 | 1.65E-04 | 2.07E-04 | 1.85E-48 | 1.01E-05 | 8.51E-04 |

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.77E-04 | 6.44E-02 | 3.38E-04 | 3.38E-04 | 4.47E-04 | 3.54E-04 | 1.83E-04 | 5.56E-03 | 3.86E-05 | 7.53E-05 | 6.05E-04 |
| | B | 0.0 | 1.84E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 1.77E-04 | 2.48E-01 | 3.38E-04 | 3.38E-04 | 4.47E-04 | 3.54E-04 | 1.83E-04 | 5.56E-03 | 3.86E-05 | 7.53E-05 | 8.68E-04 |
| SKELETON BONE | G | 2.80E-04 | 2.83E-04 | 1.05E-03 | 1.05E-03 | 7.05E-04 | 7.85E-04 | 2.72E-04 | 2.39E-04 | 2.07E-04 | 2.37E-04 | 4.54E-04 |
| | B | 0.0 | 0.0 | 3.68E-03 | 2.23E-03 | 9.68E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.80E-04 | 2.83E-04 | 4.73E-03 | 3.27E-03 | 1.67E-03 | 7.85E-04 | 2.72E-04 | 2.39E-04 | 2.07E-04 | 2.37E-04 | 7.17E-04 |
| R MARROW | G | 9.01E-04 | 5.25E-04 | 9.41E-04 | 9.41E-04 | 2.23E-03 | 8.02E-04 | 2.54E-04 | 3.47E-04 | 1.63E-04 | 2.61E-04 | 4.98E-04 |
| | B | 0.0 | 0.0 | 1.97E-04 | 4.84E-03 | 8.51E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 9.01E-04 | 5.25E-04 | 1.14E-03 | 5.78E-03 | 1.07E-02 | 8.02E-04 | 2.54E-04 | 3.47E-04 | 1.63E-04 | 2.61E-04 | 7.61E-04 |
| Y MARROW | G | 3.68E-04 | 3.33E-04 | 9.01E-04 | 9.01E-04 | 8.68E-04 | 1.33E-03 | 2.89E-04 | 3.54E-04 | 9.54E-05 | 1.31E-04 | 4.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 3.68E-04 | 3.33E-04 | 9.01E-04 | 9.01E-04 | 8.68E-04 | 1.36E-02 | 2.89E-04 | 3.54E-04 | 9.54E-05 | 1.31E-04 | 6.83E-04 |
| T E CL | G | 2.80E-04 | 2.83E-04 | 1.05E-03 | 1.05E-03 | 9.47E-04 | 8.66E-04 | 2.72E-04 | 2.39E-04 | 2.07E-04 | 2.37E-04 | 4.54E-04 |
| | B | 0.0 | 0.0 | 2.28E-03 | 3.64E-03 | 3.71E-03 | 3.07E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.80E-04 | 2.83E-04 | 3.33E-03 | 4.68E-03 | 4.65E-03 | 3.93E-03 | 2.72E-04 | 2.39E-04 | 2.07E-04 | 2.37E-04 | 7.17E-04 |
| SKIN | G | 1.72E-04 | 1.74E-04 | 2.81E-04 | 2.81E-04 | 2.48E-04 | 3.07E-04 | 6.45E-04 | 2.02E-04 | 5.04E-04 | 2.89E-04 | 3.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.08E-03 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 1.72E-04 | 1.74E-04 | 2.81E-04 | 2.81E-04 | 2.48E-04 | 3.07E-04 | 7.72E-03 | 2.02E-04 | 5.04E-04 | 2.89E-04 | 5.64E-04 |
| SPLEEN | G | 2.10E-04 | 5.63E-03 | 2.40E-04 | 2.40E-04 | 3.03E-04 | 3.69E-04 | 2.06E-04 | 3.92E-02 | 3.77E-05 | 5.33E-05 | 5.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-01 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.10E-04 | 5.63E-03 | 2.40E-04 | 2.40E-04 | 3.03E-04 | 3.69E-04 | 2.06E-04 | 1.41E-01 | 3.77E-05 | 5.33E-05 | 7.70E-04 |
| TESTES | G | 1.85E-48 | 3.77E-05 | 2.58E-04 | 2.58E-04 | 1.20E-04 | 2.88E-04 | 2.95E-04 | 3.85E-05 | 1.08E-01 | 2.88E-06 | 5.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.26E-01 | 0.0 | 2.63E-04 |
| | T | 1.85E-48 | 3.77E-05 | 2.58E-04 | 2.58E-04 | 1.20E-04 | 2.88E-04 | 2.95E-04 | 3.85E-05 | 6.34E-01 | 2.88E-06 | 7.95E-04 |
| THYMUS | G | 2.66E-05 | 1.96E-04 | 2.12E-04 | 2.12E-04 | 2.48E-04 | 1.94E-04 | 2.47E-04 | 1.47E-04 | 6.94E-06 | 1.39E-03 | 5.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 2.66E-05 | 1.96E-04 | 2.12E-04 | 2.12E-04 | 2.48E-04 | 1.94E-04 | 2.47E-04 | 1.47E-04 | 6.94E-06 | 1.39E-03 | 7.88E-04 |
| THYROID | G | 1.01E-05 | 6.07E-05 | 2.61E-04 | 2.61E-04 | 2.66E-04 | 2.14E-04 | 2.59E-04 | 5.55E-05 | 2.88E-06 | 1.47E-01 | 4.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.20E-01 | 2.63E-04 |
| | T | 1.01E-05 | 6.07E-05 | 2.61E-04 | 2.61E-04 | 2.66E-04 | 2.14E-04 | 2.59E-04 | 5.55E-05 | 2.88E-06 | 1.07E 00 | 7.05E-04 |
| UTERUS | G | 5.22E-03 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 5.18E-04 | 2.12E-04 | 2.01E-04 | 1.37E-04 | 1.85E-48 | 9.68E-06 | 5.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.63E-04 |
| | T | 5.22E-03 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 5.18E-04 | 2.12E-04 | 2.01E-04 | 1.37E-04 | 1.85E-48 | 9.68E-06 | 8.52E-04 |
| T BODY | G | 6.14E-04 | 6.03E-04 | 4.49E-04 | 4.49E-04 | 4.97E-04 | 4.02E-04 | 2.97E-04 | 5.24E-04 | 4.51E-04 | 4.08E-04 | 4.50E-04 |
| | B | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 | 2.63E-04 |
| | T | 8.76E-04 | 8.66E-04 | 7.12E-04 | 7.12E-04 | 7.60E-04 | 6.64E-04 | 5.60E-04 | 7.87E-04 | 7.14E-04 | 6.71E-04 | 7.12E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-AUER, I. P., ET AL., NUCL. PHYS. A124, 199 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 52-TELLURIUM-125M (TR=5.800E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.87E-02 | 1.82E-08 | 5.59E-06 | 7.97E-07 | 1.89E-06 | 1.22E-07 | 1.61E-04 | 4.27E-05 | 1.14E-05 | 1.14E-05 | 1.94E-05 |
| | B | 4.00E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.19E-01 | 1.82E-08 | 5.59E-06 | 7.97E-07 | 1.89E-06 | 1.22E-07 | 1.61E-04 | 4.27E-05 | 1.14E-05 | 1.14E-05 | 1.94E-05 |
| BLAD WALL | G | 1.91E-08 | 1.87E-03 | 8.80E-08 | 8.78E-06 | 5.87E-06 | 4.11E-05 | 7.32E-08 | 4.04E-08 | 5.24E-09 | 5.24E-09 | 1.57E-05 |
| | B | 0.0 | 1.40E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.91E-08 | 1.59E-02 | 8.80E-08 | 8.78E-06 | 5.87E-06 | 4.11E-05 | 7.32E-08 | 4.04E-08 | 5.24E-09 | 5.24E-09 | 1.57E-05 |
| GI TRACT S WALL | G | 8.45E-06 | 8.84E-08 | 1.27E-03 | 2.34E-05 | 3.56E-05 | 7.71E-06 | 1.22E-05 | 6.44E-06 | 1.28E-05 | 1.28E-05 | 1.22E-05 |
| | B | 0.0 | 0.0 | 1.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.45E-06 | 8.84E-08 | 1.25E-02 | 2.34E-05 | 3.56E-05 | 7.71E-06 | 1.22E-05 | 6.44E-06 | 1.28E-05 | 1.28E-05 | 1.22E-05 |
| SI+CONT | G | 6.62E-07 | 7.91E-06 | 1.04E-05 | 7.21E-04 | 2.52E-04 | 1.31E-04 | 1.00E-05 | 4.75E-06 | 9.61E-08 | 9.61E-08 | 1.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 7.00E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.62E-07 | 7.91E-06 | 1.04E-05 | 7.72E-03 | 2.52E-04 | 1.31E-04 | 1.00E-05 | 4.75E-06 | 9.61E-08 | 9.61E-08 | 1.19E-05 |
| ULI WALL | G | 8.25E-07 | 4.79E-06 | 2.53E-05 | 5.25E-04 | 1.08E-03 | 5.43E-05 | 9.47E-06 | 1.31E-05 | 1.48E-07 | 1.48E-07 | 1.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.27E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.25E-07 | 4.79E-06 | 2.53E-05 | 5.25E-04 | 1.38E-02 | 5.43E-05 | 9.47E-06 | 1.31E-05 | 1.48E-07 | 1.48E-07 | 1.39E-05 |
| LLI WALL | G | 8.64E-08 | 5.33E-05 | 2.93E-06 | 1.13E-04 | 2.97E-05 | 1.38E-03 | 1.05E-06 | 7.02E-08 | 1.81E-08 | 1.81E-08 | 1.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.07E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.64E-08 | 5.33E-05 | 2.93E-06 | 1.13E-04 | 2.97E-05 | 2.21E-02 | 1.05E-06 | 7.02E-08 | 1.81E-08 | 1.81E-08 | 1.28E-05 |
| KIDNEYS | G | 1.58E-04 | 7.37E-08 | 1.24E-05 | 1.06E-05 | 8.86E-06 | 1.42E-06 | 2.27E-03 | 2.43E-05 | 1.93E-06 | 1.93E-06 | 1.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.81E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.58E-04 | 7.37E-08 | 1.24E-05 | 1.06E-05 | 8.86E-06 | 1.42E-06 | 2.03E-02 | 2.43E-05 | 1.93E-06 | 1.93E-06 | 1.50E-05 |
| LIVER | G | 4.22E-05 | 5.32E-08 | 6.18E-06 | 7.26E-06 | 1.16E-05 | 8.56E-08 | 2.40E-05 | 5.85E-04 | 2.24E-05 | 2.24E-05 | 9.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.11E-03 | 0.0 | 0.0 | 0.0 |
| | T | 4.22E-05 | 5.32E-08 | 6.18E-06 | 7.26E-06 | 1.16E-05 | 8.56E-08 | 2.40E-05 | 3.70E-03 | 2.24E-05 | 2.24E-05 | 9.10E-06 |
| LUNGS | G | 1.59E-05 | 2.45E-09 | 1.23E-05 | 1.25E-07 | 1.49E-07 | 1.55E-08 | 1.87E-06 | 2.66E-05 | 5.19E-04 | 5.19E-04 | 1.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.60E-03 | 5.60E-03 | 0.0 |
| | T | 1.59E-05 | 2.45E-09 | 1.23E-05 | 1.25E-07 | 1.49E-07 | 1.55E-08 | 1.87E-06 | 2.66E-05 | 6.12E-03 | 6.12E-03 | 1.74E-05 |
| RESP LYM NODE | G | 1.59E-05 | 2.45E-09 | 1.23E-05 | 1.25E-07 | 1.49E-07 | 1.55E-08 | 1.87E-06 | 2.66E-05 | 4.94E-04 | 5.19E-04 | 1.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-03 | 3.73E-01 | 0.0 |
| | T | 1.59E-05 | 2.45E-09 | 1.23E-05 | 1.25E-07 | 1.49E-07 | 1.55E-08 | 1.87E-06 | 2.66E-05 | 5.44E-03 | 3.74E-01 | 1.74E-05 |
| MUSCLE* | G | 1.94E-05 | 1.57E-05 | 1.23E-05 | 1.19E-05 | 1.11E-05 | 1.28E-05 | 1.50E-05 | 9.10E-06 | 1.74E-05 | 1.74E-05 | 2.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-04 |
| | T | 1.94E-05 | 1.57E-05 | 1.23E-05 | 1.19E-05 | 1.11E-05 | 1.28E-05 | 1.50E-05 | 9.10E-06 | 1.74E-05 | 1.74E-05 | 2.22E-04 |
| OVARIES | G | 1.13E-07 | 4.09E-05 | 5.59E-07 | 1.05E-04 | 1.23E-04 | 3.04E-04 | 9.31E-07 | 3.34E-07 | 2.24E-08 | 2.24E-08 | 2.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.13E-07 | 4.09E-05 | 5.59E-07 | 1.05E-04 | 1.23E-04 | 3.04E-04 | 9.31E-07 | 3.34E-07 | 2.24E-08 | 2.24E-08 | 2.16E-05 |

52-TELLURIUM-125M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 5.82E-05 | 3.85E-08 | 2.22E-04 | 3.93E-06 | 4.30E-06 | 9.22E-07 | 3.69E-05 | 2.53E-05 | 1.34E-05 | 1.34E-05 | 2.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.82E-05 | 3.85E-08 | 2.22E-04 | 3.93E-06 | 4.30E-06 | 9.22E-07 | 3.69E-05 | 2.53E-05 | 1.34E-05 | 1.34E-05 | 2.07E-05 |
| SKELETON BONE | G | 2.23E-05 | 1.89E-06 | 4.74E-06 | 8.28E-06 | 7.59E-06 | 2.06E-05 | 1.17E-05 | 9.13E-06 | 1.61E-05 | 1.61E-05 | 5.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.23E-05 | 1.89E-06 | 4.74E-06 | 8.28E-06 | 7.59E-06 | 2.06E-05 | 1.17E-05 | 9.13E-06 | 1.61E-05 | 1.61E-05 | 5.01E-06 |
| R MARROW | G | 3.49E-05 | 6.15E-06 | 5.79E-06 | 3.28E-05 | 3.00E-05 | 8.25E-05 | 3.11E-05 | 9.05E-06 | 1.87E-05 | 1.87E-05 | 2.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.49E-05 | 6.15E-06 | 5.79E-06 | 3.28E-05 | 3.00E-05 | 8.25E-05 | 3.11E-05 | 9.05E-06 | 1.87E-05 | 1.87E-05 | 2.56E-05 |
| Y MARROW | G | 2.06E-05 | 2.13E-06 | 6.77E-06 | 1.16E-05 | 1.09E-05 | 2.81E-05 | 1.40E-05 | 1.46E-05 | 1.88E-05 | 1.88E-05 | 2.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.06E-05 | 2.13E-06 | 6.77E-06 | 1.16E-05 | 1.09E-05 | 2.81E-05 | 1.40E-05 | 1.46E-05 | 1.88E-05 | 1.88E-05 | 2.10E-05 |
| T E CL | G | 2.23E-05 | 1.89E-06 | 4.74E-06 | 8.28E-06 | 7.59E-06 | 2.06E-05 | 1.17E-05 | 9.13E-06 | 1.61E-05 | 1.61E-05 | 5.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.23E-05 | 1.89E-06 | 4.74E-06 | 8.28E-06 | 7.59E-06 | 2.06E-05 | 1.17E-05 | 9.13E-06 | 1.61E-05 | 1.61E-05 | 5.01E-06 |
| SKIN | G | 3.29E-06 | 2.61E-06 | 2.34E-06 | 1.19E-06 | 1.47E-06 | 1.85E-06 | 3.96E-06 | 2.54E-06 | 3.02E-06 | 3.02E-06 | 9.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.29E-06 | 2.61E-06 | 2.34E-06 | 1.19E-06 | 1.47E-06 | 1.85E-06 | 3.96E-06 | 2.54E-06 | 3.02E-06 | 3.02E-06 | 9.88E-06 |
| SPLEEN | G | 4.87E-05 | 8.25E-08 | 7.82E-05 | 4.04E-06 | 2.59E-06 | 1.01E-06 | 1.07E-04 | 1.32E-06 | 1.98E-05 | 1.98E-05 | 1.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.87E-05 | 8.25E-08 | 7.82E-05 | 4.04E-06 | 2.59E-06 | 1.01E-06 | 1.07E-04 | 1.32E-06 | 1.98E-05 | 1.98E-05 | 1.57E-05 |
| TESTES | G | 2.39E-09 | 2.33E-05 | 6.72E-09 | 1.12E-07 | 1.10E-07 | 6.66E-06 | 8.74E-09 | 5.91E-09 | 6.78E-10 | 6.78E-10 | 9.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.39E-09 | 2.33E-05 | 6.72E-09 | 1.12E-07 | 1.10E-07 | 6.66E-06 | 8.74E-09 | 5.91E-09 | 6.78E-10 | 6.78E-10 | 9.06E-06 |
| THYMUS | G | 1.75E-07 | 6.68E-10 | 1.50E-07 | 7.98E-09 | 1.05E-08 | 2.12E-09 | 4.19E-08 | 2.99E-07 | 2.68E-05 | 2.68E-05 | 2.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.75E-07 | 6.68E-10 | 1.50E-07 | 7.98E-09 | 1.05E-08 | 2.12E-09 | 4.19E-08 | 2.99E-07 | 2.68E-05 | 2.68E-05 | 2.78E-05 |
| THYROID | G | 1.37E-08 | 9.91E-11 | 8.98E-09 | 9.80E-10 | 1.11E-09 | 3.13E-10 | 4.00E-09 | 1.41E-08 | 1.30E-06 | 1.30E-06 | 2.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.37E-08 | 9.91E-11 | 8.98E-09 | 9.80E-10 | 1.11E-09 | 3.13E-10 | 4.00E-09 | 1.41E-08 | 1.30E-06 | 1.30E-06 | 2.04E-05 |
| UTERUS | G | 6.51E-08 | 1.70E-04 | 3.90E-07 | 8.54E-05 | 2.13E-05 | 3.39E-05 | 6.06E-07 | 1.91E-07 | 1.81E-08 | 1.81E-08 | 2.67E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.51E-08 | 1.70E-04 | 3.90E-07 | 8.54E-05 | 2.13E-05 | 3.39E-05 | 6.06E-07 | 1.91E-07 | 1.81E-08 | 1.81E-08 | 2.67E-05 |
| T BODY | G | 2.32E-05 | 2.40E-05 | 2.39E-05 | 2.48E-05 | 2.46E-05 | 2.49E-05 | 2.27E-05 | 2.37E-05 | 2.32E-05 | 2.32E-05 | 1.88E-05 |
| | B | 8.00E-05 | 9.00E-06 | 2.40E-05 | 6.40E-05 | 3.82E-05 | 4.74E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 |
| | T | 1.03E-04 | 3.30E-05 | 4.79E-05 | 8.88E-05 | 6.28E-05 | 7.23E-05 | 1.03E-04 | 1.04E-04 | 1.03E-04 | 1.03E-04 | 9.88E-05 |

CONTINUED NEXT PAGE

52-TELLURIUM-125M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 8.95E-08 | 5.88E-05 | 6.07E-06 | 6.07E-06 | 1.26E-05 | 5.74E-06 | 3.86E-06 | 5.13E-05 | 2.39E-09 | 1.37E-08 | 1.79E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 8.95E-08 | 5.88E-05 | 6.07E-06 | 6.07E-06 | 1.26E-05 | 5.74E-06 | 3.86E-06 | 5.13E-05 | 2.39E-09 | 1.37E-08 | 9.79E-05 |
| BLAD WALL | G | 3.99E-05 | 2.84E-08 | 5.29E-07 | 5.29E-07 | 2.49E-06 | 1.04E-06 | 2.89E-06 | 2.58E-08 | 2.62E-05 | 1.01E-10 | 2.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 3.99E-05 | 2.84E-08 | 5.29E-07 | 5.29E-07 | 2.49E-06 | 1.04E-06 | 2.89E-06 | 2.58E-08 | 2.62E-05 | 1.01E-10 | 1.02E-04 |
| GI TRACT S WALL | G | 9.00E-07 | 2.59E-04 | 1.68E-06 | 1.68E-06 | 2.06E-06 | 2.94E-06 | 3.12E-06 | 8.11E-05 | 5.95E-09 | 1.52E-08 | 2.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 9.00E-07 | 2.59E-04 | 1.68E-06 | 1.68E-06 | 2.06E-06 | 2.94E-06 | 3.12E-06 | 8.11E-05 | 5.95E-09 | 1.52E-08 | 1.02E-04 |
| SI+CONT | G | 1.54E-04 | 3.03E-06 | 2.70E-06 | 2.70E-06 | 1.05E-05 | 4.10E-06 | 1.35E-06 | 2.44E-06 | 1.30E-07 | 6.24E-10 | 2.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 1.54E-04 | 3.03E-06 | 2.70E-06 | 2.70E-06 | 1.05E-05 | 4.10E-06 | 1.35E-06 | 2.44E-06 | 1.30E-07 | 6.24E-10 | 1.04E-04 |
| ULI WALL | G | 1.82E-04 | 4.42E-06 | 2.29E-06 | 2.29E-06 | 9.53E-06 | 3.22E-06 | 1.84E-06 | 3.42E-06 | 1.21E-07 | 1.03E-09 | 2.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 1.82E-04 | 4.42E-06 | 2.29E-06 | 2.29E-06 | 9.53E-06 | 3.22E-06 | 1.84E-06 | 3.42E-06 | 1.21E-07 | 1.03E-09 | 1.04E-04 |
| LLI WALL | G | 2.53E-04 | 5.53E-07 | 5.65E-06 | 5.65E-06 | 2.13E-05 | 5.44E-06 | 1.39E-06 | 7.74E-07 | 1.05E-05 | 2.49E-10 | 2.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 2.53E-04 | 5.53E-07 | 5.65E-06 | 5.65E-06 | 2.13E-05 | 5.44E-06 | 1.39E-06 | 7.74E-07 | 1.05E-05 | 2.49E-10 | 1.03E-04 |
| KIDNEYS | G | 9.49E-07 | 3.75E-05 | 2.91E-06 | 2.91E-06 | 8.03E-06 | 4.12E-06 | 4.44E-06 | 1.07E-04 | 4.93E-09 | 3.48E-09 | 2.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 9.49E-07 | 3.75E-05 | 2.91E-06 | 2.91E-06 | 8.03E-06 | 4.12E-06 | 4.44E-06 | 1.07E-04 | 4.93E-09 | 3.48E-09 | 1.00E-04 |
| LIVER | G | 4.39E-07 | 2.51E-05 | 2.62E-06 | 2.62E-06 | 2.54E-06 | 4.74E-06 | 2.75E-06 | 1.04E-06 | 3.71E-09 | 1.78E-08 | 2.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 4.39E-07 | 2.51E-05 | 2.62E-06 | 2.62E-06 | 2.54E-06 | 4.74E-06 | 2.75E-06 | 1.04E-06 | 3.71E-09 | 1.78E-08 | 1.03E-04 |
| LUNGS | G | 9.74E-09 | 1.34E-05 | 5.02E-06 | 5.02E-06 | 5.77E-06 | 6.50E-06 | 3.92E-06 | 1.96E-05 | 3.63E-10 | 1.96E-06 | 2.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 9.74E-09 | 1.34E-05 | 5.02E-06 | 5.02E-06 | 5.77E-06 | 6.50E-06 | 3.92E-06 | 1.96E-05 | 3.63E-10 | 1.96E-06 | 1.03E-04 |
| RESP LYM NODE | G | 9.74E-09 | 1.34E-05 | 5.02E-06 | 5.02E-06 | 5.77E-06 | 6.50E-06 | 3.92E-06 | 1.96E-05 | 3.63E-10 | 1.96E-06 | 2.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 9.74E-09 | 1.34E-05 | 5.02E-06 | 5.02E-06 | 5.77E-06 | 6.50E-06 | 3.92E-06 | 1.96E-05 | 3.63E-10 | 1.96E-06 | 1.03E-04 |
| MUSCLE* | G | 2.16E-05 | 2.07E-05 | 5.01E-06 | 5.01E-06 | 6.42E-06 | 5.68E-06 | 9.88E-06 | 1.57E-05 | 9.06E-06 | 2.04E-05 | 1.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 2.16E-05 | 2.07E-05 | 5.01E-06 | 5.01E-06 | 6.42E-06 | 5.68E-06 | 9.88E-06 | 1.57E-05 | 9.06E-06 | 2.04E-05 | 9.88E-05 |
| OVARIES | G | 3.16E-02 | 2.10E-07 | 5.79E-06 | 5.79E-06 | 9.77E-06 | 2.65E-06 | 1.18E-06 | 2.06E-07 | 5.68E-46 | 2.67E-10 | 2.29E-05 |
| | B | 5.09E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 5.41E-01 | 2.10E-07 | 5.79E-06 | 5.79E-06 | 9.77E-06 | 2.65E-06 | 1.18E-06 | 2.06E-07 | 5.68E-46 | 2.67E-10 | 1.03E-04 |

52-TELLURIUM-125M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.90E-07 | 7.46E-03 | 2.40E-06 | 2.40E-06 | 3.46E-06 | 2.30E-06 | 1.35E-06 | 3.06E-04 | 4.70E-09 | 9.22E-09 | 2.40E-05 |
| | B | 0.0 | 5.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 1.90E-07 | 6.35E-02 | 2.40E-06 | 2.40E-06 | 3.46E-06 | 2.30E-06 | 1.35E-06 | 3.06E-04 | 4.70E-09 | 9.22E-09 | 1.04E-04 |
| SKELETON BONE | G | 1.20E-05 | 7.74E-06 | 1.29E-04 | 1.29E-04 | 8.09E-05 | 1.03E-04 | 1.48E-05 | 9.01E-06 | 1.88E-06 | 4.59E-06 | 3.51E-05 |
| | B | 0.0 | 0.0 | 1.12E-03 | 9.36E-04 | 1.22E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 1.20E-05 | 7.74E-06 | 1.25E-03 | 1.06E-03 | 2.03E-04 | 1.03E-04 | 1.48E-05 | 9.01E-06 | 1.88E-06 | 4.59E-06 | 1.15E-04 |
| R MARROW | G | 4.96E-05 | 1.41E-05 | 1.20E-04 | 1.20E-04 | 3.32E-04 | 1.04E-04 | 1.34E-05 | 9.57E-06 | 1.11E-06 | 4.27E-06 | 3.97E-05 |
| | B | 0.0 | 0.0 | 5.50E-06 | 6.12E-04 | 3.31E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 4.96E-05 | 1.41E-05 | 1.26E-04 | 7.32E-04 | 3.64E-03 | 1.04E-04 | 1.34E-05 | 9.57E-06 | 1.11E-06 | 4.27E-06 | 1.20E-04 |
| Y MARROW | G | 1.68E-05 | 8.21E-06 | 1.21E-04 | 1.21E-04 | 1.15E-04 | 2.15E-04 | 1.82E-05 | 1.39E-05 | 4.42E-07 | 2.27E-06 | 3.59E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.73E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 1.68E-05 | 8.21E-06 | 1.21E-04 | 1.21E-04 | 1.15E-04 | 3.95E-03 | 1.82E-05 | 1.39E-05 | 4.42E-07 | 2.27E-06 | 1.16E-04 |
| T E CL | G | 1.20E-05 | 7.74E-06 | 1.26E-04 | 1.26E-04 | 1.28E-04 | 1.25E-04 | 1.48E-05 | 9.01E-06 | 1.88E-06 | 4.59E-06 | 3.53E-05 |
| | B | 0.0 | 0.0 | 5.51E-04 | 1.14E-03 | 1.11E-03 | 9.33E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 1.20E-05 | 7.74E-06 | 6.77E-04 | 1.26E-03 | 1.23E-03 | 1.06E-03 | 1.48E-05 | 9.01E-06 | 1.88E-06 | 4.59E-06 | 1.15E-04 |
| SKIN | G | 7.97E-07 | 8.59E-07 | 3.91E-06 | 3.91E-06 | 3.43E-06 | 5.27E-06 | 6.23E-05 | 2.35E-06 | 2.48E-05 | 8.67E-06 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.15E-03 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 7.97E-07 | 8.59E-07 | 3.91E-06 | 3.91E-06 | 3.43E-06 | 5.27E-06 | 2.22E-03 | 2.35E-06 | 2.48E-05 | 8.67E-06 | 9.07E-05 |
| SPLEEN | G | 2.19E-07 | 2.97E-04 | 3.31E-06 | 3.31E-06 | 2.40E-06 | 3.78E-06 | 2.43E-06 | 4.04E-03 | 2.40E-09 | 1.38E-08 | 2.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.11E-02 | 0.0 | 0.0 | 8.00E-05 |
| | T | 2.19E-07 | 2.97E-04 | 3.31E-06 | 3.31E-06 | 2.40E-06 | 3.78E-06 | 2.43E-06 | 3.51E-02 | 2.40E-09 | 1.38E-08 | 1.03E-04 |
| TESTES | G | 5.68E-46 | 4.71E-09 | 1.28E-06 | 1.28E-06 | 5.50E-07 | 1.91E-06 | 1.62E-05 | 4.05E-09 | 1.27E-02 | 2.02E-11 | 1.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-01 | 0.0 | 8.00E-05 |
| | T | 5.68E-46 | 4.71E-09 | 1.28E-06 | 1.28E-06 | 5.50E-07 | 1.91E-06 | 1.62E-05 | 4.05E-09 | 1.73E-01 | 2.02E-11 | 9.63E-05 |
| THYMUS | G | 1.89E-09 | 2.04E-07 | 1.38E-06 | 1.38E-06 | 2.19E-06 | 3.97E-06 | 2.47E-06 | 5.65E-08 | 1.26E-10 | 1.71E-05 | 2.26E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 1.89E-09 | 2.04E-07 | 1.38E-06 | 1.38E-06 | 2.19E-06 | 3.97E-06 | 2.47E-06 | 5.65E-08 | 1.26E-10 | 1.71E-05 | 1.03E-04 |
| THYROID | G | 2.67E-10 | 1.26E-08 | 2.94E-06 | 2.94E-06 | 1.50E-06 | 3.39E-06 | 8.25E-06 | 8.58E-09 | 2.02E-11 | 1.84E-02 | 1.82E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.80E-01 | 8.00E-05 |
| | T | 2.67E-10 | 1.26E-08 | 2.94E-06 | 2.94E-06 | 1.50E-06 | 3.39E-06 | 8.25E-06 | 8.58E-09 | 2.02E-11 | 2.98E-01 | 9.82E-05 |
| UTERUS | G | 2.22E-04 | 2.38E-07 | 1.82E-06 | 1.82E-06 | 4.84E-06 | 1.78E-06 | 1.05E-06 | 1.22E-07 | 5.68E-46 | 2.44E-10 | 2.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.00E-05 |
| | T | 2.22E-04 | 2.38E-07 | 1.82E-06 | 1.82E-06 | 4.84E-06 | 1.78E-06 | 1.05E-06 | 1.22E-07 | 5.68E-46 | 2.44E-10 | 1.03E-04 |
| T BODY | G | 2.52E-05 | 2.51E-05 | 2.34E-05 | 2.34E-05 | 2.37E-05 | 2.25E-05 | 1.19E-05 | 2.38E-05 | 1.90E-05 | 2.04E-05 | 2.12E-05 |
| | B | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 | 8.00E-05 |
| | T | 1.05E-04 | 1.05E-04 | 1.03E-04 | 1.03E-04 | 1.04E-04 | 1.02E-04 | 9.19E-05 | 1.04E-04 | 9.90E-05 | 1.00E-04 | 1.01E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-AUGUST 1968

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 52-TELLURIUM-127M (TR=1.050E 02 DAYS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 5.51E-03 | 7.96E-09 | 1.49E-06 | 2.24E-07 | 5.09E-07 | 3.84E-08 | 4.25E-05 | 1.13E-05 | 3.03E-06 | 3.03E-06 | 5.14E-06 |
| | B | 3.01E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.07E-01 | 7.96E-09 | 1.49E-06 | 2.24E-07 | 5.09E-07 | 3.84E-08 | 4.25E-05 | 1.13E-05 | 3.03E-06 | 3.03E-06 | 5.14E-06 |
| BLAD WALL | G | 7.07E-09 | 5.00E-04 | 2.96E-08 | 2.33E-06 | 1.56E-06 | 1.08E-05 | 2.47E-08 | 1.46E-08 | 2.49E-09 | 2.49E-09 | 4.14E-06 |
| | B | 0.0 | 1.06E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.07E-09 | 1.11E-02 | 2.96E-08 | 2.33E-06 | 1.56E-06 | 1.08E-05 | 2.47E-08 | 1.46E-08 | 2.49E-09 | 2.49E-09 | 4.14E-06 |
| GI TRACT S WALL | G | 2.25E-06 | 2.85E-08 | 3.37E-04 | 6.18E-06 | 9.39E-06 | 2.04E-06 | 3.23E-06 | 1.71E-06 | 3.38E-06 | 3.38E-06 | 3.23E-06 |
| | B | 0.0 | 0.0 | 8.44E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.25E-06 | 2.85E-08 | 8.78E-03 | 6.18E-06 | 9.39E-06 | 2.04E-06 | 3.23E-06 | 1.71E-06 | 3.38E-06 | 3.38E-06 | 3.23E-06 |
| SI+CONT | G | 1.86E-07 | 2.10E-06 | 2.76E-06 | 1.94E-04 | 6.66E-05 | 3.46E-05 | 2.66E-06 | 1.26E-06 | 2.91E-08 | 2.91E-08 | 3.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 5.28E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.86E-07 | 2.10E-06 | 2.76E-06 | 5.47E-03 | 6.66E-05 | 3.46E-05 | 2.66E-06 | 1.26E-06 | 2.91E-08 | 2.91E-08 | 3.16E-06 |
| ULI WALL | G | 2.30E-07 | 1.28E-06 | 6.68E-06 | 1.41E-04 | 2.87E-04 | 1.44E-05 | 2.51E-06 | 3.45E-06 | 4.41E-08 | 4.41E-08 | 3.70E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 9.59E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.30E-07 | 1.28E-06 | 6.68E-06 | 1.41E-04 | 9.88E-03 | 1.44E-05 | 2.51E-06 | 3.45E-06 | 4.41E-08 | 4.41E-08 | 3.70E-06 |
| LLI WALL | G | 2.70E-08 | 1.40E-05 | 7.83E-07 | 3.00E-05 | 7.86E-06 | 3.69E-04 | 2.86E-07 | 2.25E-08 | 5.79E-09 | 5.79E-09 | 3.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.56E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.70E-08 | 1.40E-05 | 7.83E-07 | 3.00E-05 | 7.86E-06 | 1.60E-02 | 2.86E-07 | 2.25E-08 | 5.79E-09 | 5.79E-09 | 3.37E-06 |
| KIDNEYS | G | 4.16E-05 | 2.43E-08 | 3.29E-06 | 2.82E-06 | 2.35E-06 | 3.81E-07 | 6.33E-04 | 6.42E-06 | 5.18E-07 | 5.18E-07 | 3.98E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.16E-05 | 2.43E-08 | 3.29E-06 | 2.82E-06 | 2.35E-06 | 3.81E-07 | 1.42E-02 | 6.42E-06 | 5.18E-07 | 5.18E-07 | 3.98E-06 |
| LIVER | G | 1.11E-05 | 1.79E-08 | 1.64E-06 | 1.92E-06 | 3.07E-06 | 2.73E-08 | 6.32E-06 | 1.60E-04 | 5.92E-06 | 5.92E-06 | 2.41E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.34E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-05 | 1.79E-08 | 1.64E-06 | 1.92E-06 | 3.07E-06 | 2.73E-08 | 6.32E-06 | 2.51E-03 | 5.92E-06 | 5.92E-06 | 2.41E-06 |
| LUNGS | G | 4.19E-06 | 1.49E-09 | 3.25E-06 | 3.74E-08 | 4.39E-08 | 5.72E-09 | 5.03E-07 | 7.01E-06 | 1.46E-04 | 1.46E-04 | 4.63E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.22E-03 | 4.22E-03 | 0.0 |
| | T | 4.19E-06 | 1.49E-09 | 3.25E-06 | 3.74E-08 | 4.39E-08 | 5.72E-09 | 5.03E-07 | 7.01E-06 | 4.37E-03 | 4.37E-03 | 4.63E-06 |
| RESP LYM NODE | G | 4.19E-06 | 1.49E-09 | 3.25E-06 | 3.74E-08 | 4.39E-08 | 5.72E-09 | 5.03E-07 | 7.01E-06 | 1.34E-04 | 1.46E-04 | 4.63E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.00E-03 | 2.81E-01 | 0.0 |
| | T | 4.19E-06 | 1.49E-09 | 3.25E-06 | 3.74E-08 | 4.39E-08 | 5.72E-09 | 5.03E-07 | 7.01E-06 | 4.14E-03 | 2.82E-01 | 4.63E-06 |
| MUSCLE* | G | 5.14E-06 | 4.14E-06 | 3.23E-06 | 3.16E-06 | 2.92E-06 | 3.37E-06 | 3.98E-06 | 2.41E-06 | 4.63E-06 | 4.63E-06 | 6.03E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51E-04 |
| | T | 5.14E-06 | 4.14E-06 | 3.23E-06 | 3.16E-06 | 2.92E-06 | 3.37E-06 | 3.98E-06 | 2.41E-06 | 4.63E-06 | 4.63E-06 | 1.57E-04 |
| OVARIES | G | 3.64E-08 | 1.07E-05 | 1.58E-07 | 2.78E-05 | 3.27E-05 | 8.03E-05 | 2.61E-07 | 9.20E-08 | 8.07E-09 | 8.07E-09 | 5.73E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.64E-08 | 1.07E-05 | 1.58E-07 | 2.78E-05 | 3.27E-05 | 8.03E-05 | 2.61E-07 | 9.20E-08 | 8.07E-09 | 8.07E-09 | 5.73E-06 |

52-TELLURIUM-127M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.53E-05 | 1.36E-08 | 5.84E-05 | 1.05E-06 | 1.15E-06 | 2.50E-07 | 9.74E-06 | 6.67E-06 | 3.52E-06 | 3.52E-06 | 5.49E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.53E-05 | 1.36E-08 | 5.84E-05 | 1.05E-06 | 1.15E-06 | 2.50E-07 | 9.74E-06 | 6.67E-06 | 3.52E-06 | 3.52E-06 | 5.49E-06 |
| SKELETON BONE | G | 5.85E-06 | 5.01E-07 | 1.25E-06 | 2.18E-06 | 2.00E-06 | 5.41E-06 | 3.07E-06 | 2.40E-06 | 4.23E-06 | 4.23E-06 | 1.33E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.85E-06 | 5.01E-07 | 1.25E-06 | 2.18E-06 | 2.00E-06 | 5.41E-06 | 3.07E-06 | 2.40E-06 | 4.23E-06 | 4.23E-06 | 1.33E-06 |
| R MARROW | G | 9.18E-06 | 1.62E-06 | 1.53E-06 | 8.64E-06 | 7.89E-06 | 2.17E-05 | 8.19E-06 | 2.38E-06 | 4.92E-06 | 4.92E-06 | 6.75E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.18E-06 | 1.62E-06 | 1.53E-06 | 8.64E-06 | 7.89E-06 | 2.17E-05 | 8.19E-06 | 2.38E-06 | 4.92E-06 | 4.92E-06 | 6.75E-06 |
| Y MARROW | G | 5.40E-06 | 5.63E-07 | 1.78E-06 | 3.05E-06 | 2.86E-06 | 7.39E-06 | 3.67E-06 | 3.84E-06 | 4.94E-06 | 4.94E-06 | 5.54E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.40E-06 | 5.63E-07 | 1.78E-06 | 3.05E-06 | 2.86E-06 | 7.39E-06 | 3.67E-06 | 3.84E-06 | 4.94E-06 | 4.94E-06 | 5.54E-06 |
| T E CL | G | 5.85E-06 | 5.01E-07 | 1.25E-06 | 2.18E-06 | 2.00E-06 | 5.41E-06 | 3.07E-06 | 2.40E-06 | 4.23E-06 | 4.23E-06 | 1.33E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.85E-06 | 5.01E-07 | 1.25E-06 | 2.18E-06 | 2.00E-06 | 5.41E-06 | 3.07E-06 | 2.40E-06 | 4.23E-06 | 4.23E-06 | 1.33E-06 |
| SKIN | G | 8.72E-07 | 6.91E-07 | 6.20E-07 | 3.19E-07 | 3.91E-07 | 4.94E-07 | 1.05E-06 | 6.73E-07 | 8.00E-07 | 8.00E-07 | 2.63E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.72E-07 | 6.91E-07 | 6.20E-07 | 3.19E-07 | 3.91E-07 | 4.94E-07 | 1.05E-06 | 6.73E-07 | 8.00E-07 | 8.00E-07 | 2.63E-06 |
| SPLEEN | G | 1.28E-05 | 2.41E-08 | 2.06E-05 | 1.08E-06 | 6.94E-07 | 2.78E-07 | 2.82E-05 | 3.60E-07 | 5.20E-06 | 5.20E-06 | 4.15E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-05 | 2.41E-08 | 2.06E-05 | 1.08E-06 | 6.94E-07 | 2.78E-07 | 2.82E-05 | 3.60E-07 | 5.20E-06 | 5.20E-06 | 4.15E-06 |
| TESTES | G | 1.70E-09 | 6.15E-06 | 2.70E-09 | 3.49E-08 | 3.63E-08 | 1.76E-06 | 4.43E-09 | 3.81E-09 | 5.81E-10 | 5.81E-10 | 2.39E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.70E-09 | 6.15E-06 | 2.70E-09 | 3.49E-08 | 3.63E-08 | 1.76E-06 | 4.43E-09 | 3.81E-09 | 5.81E-10 | 5.81E-10 | 2.39E-06 |
| THYMUS | G | 5.78E-08 | 6.91E-10 | 4.57E-08 | 4.08E-09 | 4.88E-09 | 1.44E-09 | 1.51E-08 | 9.44E-08 | 7.06E-06 | 7.06E-06 | 7.45E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.78E-08 | 6.91E-10 | 4.57E-08 | 4.08E-09 | 4.88E-09 | 1.44E-09 | 1.51E-08 | 9.44E-08 | 7.06E-06 | 7.06E-06 | 7.45E-06 |
| THYROID | G | 6.36E-09 | 1.99E-10 | 4.52E-09 | 8.89E-10 | 9.63E-10 | 3.86E-10 | 2.44E-09 | 6.14E-09 | 3.57E-07 | 3.57E-07 | 5.41E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.36E-09 | 1.99E-10 | 4.52E-09 | 8.89E-10 | 9.63E-10 | 3.86E-10 | 2.44E-09 | 6.14E-09 | 3.57E-07 | 3.57E-07 | 5.41E-06 |
| UTERUS | G | 1.93E-08 | 4.49E-05 | 1.14E-07 | 2.25E-05 | 5.63E-06 | 8.93E-06 | 1.69E-07 | 5.54E-08 | 6.14E-09 | 6.14E-09 | 7.14E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.93E-08 | 4.49E-05 | 1.14E-07 | 2.25E-05 | 5.63E-06 | 8.93E-06 | 1.69E-07 | 5.54E-08 | 6.14E-09 | 6.14E-09 | 7.14E-06 |
| T BODY | G | 6.28E-06 | 6.48E-06 | 6.46E-06 | 6.70E-06 | 6.64E-06 | 6.71E-06 | 6.15E-06 | 6.40E-06 | 6.27E-06 | 6.27E-06 | 5.12E-06 |
| | B | 6.03E-05 | 6.78E-06 | 1.81E-05 | 4.82E-05 | 2.88E-05 | 3.57E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 |
| | T | 6.66E-05 | 1.33E-05 | 2.45E-05 | 5.49E-05 | 3.54E-05 | 4.24E-05 | 6.64E-05 | 6.67E-05 | 6.66E-05 | 6.66E-05 | 6.54E-05 |

CONTINUED NEXT PAGE

52-TELLURIUM-127M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.17E-08 | 1.55E-05 | 1.63E-06 | 1.63E-06 | 3.34E-06 | 1.52E-06 | 1.02E-06 | 1.35E-05 | 1.70E-09 | 6.36E-09 | 4.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 3.17E-08 | 1.55E-05 | 1.63E-06 | 1.63E-06 | 3.34E-06 | 1.52E-06 | 1.02E-06 | 1.35E-05 | 1.70E-09 | 6.36E-09 | 6.52E-05 |
| BLAD WALL | G | 1.05E-05 | 9.70E-09 | 1.46E-07 | 1.46E-07 | 6.61E-07 | 2.74E-07 | 7.67E-07 | 9.64E-09 | 6.92E-06 | 2.00E-10 | 6.09E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 1.05E-05 | 9.70E-09 | 1.46E-07 | 1.46E-07 | 6.61E-07 | 2.74E-07 | 7.67E-07 | 9.64E-09 | 6.92E-06 | 2.00E-10 | 6.64E-05 |
| GI TRACT S WALL | G | 2.46E-07 | 6.83E-05 | 4.47E-07 | 4.47E-07 | 5.52E-07 | 7.80E-07 | 8.25E-07 | 2.13E-05 | 3.08E-09 | 5.93E-09 | 5.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 2.46E-07 | 6.83E-05 | 4.47E-07 | 4.47E-07 | 5.52E-07 | 7.80E-07 | 8.25E-07 | 2.13E-05 | 3.08E-09 | 5.93E-09 | 6.62E-05 |
| SI+CONT | G | 4.06E-05 | 8.14E-07 | 7.17E-07 | 7.17E-07 | 2.78E-06 | 1.09E-06 | 3.60E-07 | 6.55E-07 | 4.14E-08 | 4.08E-10 | 6.54E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 4.06E-05 | 8.14E-07 | 7.17E-07 | 7.17E-07 | 2.78E-06 | 1.09E-06 | 3.60E-07 | 6.55E-07 | 4.14E-08 | 4.08E-10 | 6.68E-05 |
| ULI WALL | G | 4.81E-05 | 1.18E-06 | 6.12E-07 | 6.12E-07 | 2.53E-06 | 8.56E-07 | 4.91E-07 | 9.11E-07 | 3.63E-08 | 5.71E-10 | 6.58E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 4.81E-05 | 1.18E-06 | 6.12E-07 | 6.12E-07 | 2.53E-06 | 8.56E-07 | 4.91E-07 | 9.11E-07 | 3.63E-08 | 5.71E-10 | 6.69E-05 |
| LLI WALL | G | 6.70E-05 | 1.52E-07 | 1.50E-06 | 1.50E-06 | 5.62E-06 | 1.44E-06 | 3.73E-07 | 2.11E-07 | 2.78E-06 | 3.24E-10 | 6.28E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 6.70E-05 | 1.52E-07 | 1.50E-06 | 1.50E-06 | 5.62E-06 | 1.44E-06 | 3.73E-07 | 2.11E-07 | 2.78E-06 | 3.24E-10 | 6.66E-05 |
| KIDNEYS | G | 2.63E-07 | 9.88E-06 | 7.76E-07 | 7.76E-07 | 2.13E-06 | 1.10E-06 | 1.17E-06 | 2.81E-05 | 2.96E-09 | 1.93E-09 | 5.44E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 2.63E-07 | 9.88E-06 | 7.76E-07 | 7.76E-07 | 2.13E-06 | 1.10E-06 | 1.17E-06 | 2.81E-05 | 2.96E-09 | 1.93E-09 | 6.57E-05 |
| LIVER | G | 1.23E-07 | 6.62E-06 | 6.94E-07 | 6.94E-07 | 6.79E-07 | 1.26E-06 | 7.30E-07 | 2.87E-07 | 1.94E-09 | 7.04E-09 | 6.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 1.23E-07 | 6.62E-06 | 6.94E-07 | 6.94E-07 | 6.79E-07 | 1.26E-06 | 7.30E-07 | 2.87E-07 | 1.94E-09 | 7.04E-09 | 6.65E-05 |
| LUNGS | G | 4.35E-09 | 3.52E-06 | 1.33E-06 | 1.33E-06 | 1.53E-06 | 1.72E-06 | 1.03E-06 | 5.16E-06 | 3.66E-10 | 5.27E-07 | 6.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 4.35E-09 | 3.52E-06 | 1.33E-06 | 1.33E-06 | 1.53E-06 | 1.72E-06 | 1.03E-06 | 5.16E-06 | 3.66E-10 | 5.27E-07 | 6.66E-05 |
| RESP LYM NODE | G | 4.35E-09 | 3.52E-06 | 1.33E-06 | 1.33E-06 | 1.53E-06 | 1.72E-06 | 1.03E-06 | 5.16E-06 | 3.66E-10 | 5.27E-07 | 6.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 4.35E-09 | 3.52E-06 | 1.33E-06 | 1.33E-06 | 1.53E-06 | 1.72E-06 | 1.03E-06 | 5.16E-06 | 3.66E-10 | 5.27E-07 | 6.66E-05 |
| MUSCLE* | G | 5.73E-06 | 5.49E-06 | 1.33E-06 | 1.33E-06 | 1.70E-06 | 1.51E-06 | 2.63E-06 | 4.15E-06 | 2.39E-06 | 5.41E-06 | 5.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 5.73E-06 | 5.49E-06 | 1.33E-06 | 1.33E-06 | 1.70E-06 | 1.51E-06 | 2.63E-06 | 4.15E-06 | 2.39E-06 | 5.41E-06 | 6.54E-05 |
| OVARIES | G | 9.43E-03 | 6.33E-08 | 1.53E-06 | 1.53E-06 | 2.61E-06 | 7.06E-07 | 3.12E-07 | 6.65E-08 | 2.75E-46 | 3.78E-10 | 6.19E-06 |
| | B | 3.84E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 3.93E-01 | 6.33E-08 | 1.53E-06 | 1.53E-06 | 2.61E-06 | 7.06E-07 | 3.12E-07 | 6.65E-08 | 2.75E-46 | 3.78E-10 | 6.65E-05 |

52-TELLURIUM-127M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 5.90E-08 | 2.13E-03 | 6.44E-07 | 6.44E-07 | 9.23E-07 | 6.17E-07 | 3.58E-07 | 8.06E-05 | 1.98E-09 | 3.18E-09 | 6.49E-06 |
| | B | 0.0 | 4.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 5.90E-08 | 4.43E-02 | 6.44E-07 | 6.44E-07 | 9.23E-07 | 6.17E-07 | 3.58E-07 | 8.06E-05 | 1.98E-09 | 3.18E-09 | 6.68E-05 |
| SKELETON BONE | G | 3.14E-06 | 2.03E-06 | 3.48E-05 | 3.48E-05 | 2.16E-05 | 2.76E-05 | 3.90E-06 | 2.37E-06 | 5.00E-07 | 1.21E-06 | 9.35E-06 |
| | B | 0.0 | 0.0 | 8.44E-04 | 7.07E-04 | 9.12E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 3.14E-06 | 2.03E-06 | 8.79E-04 | 7.42E-04 | 1.13E-04 | 2.76E-05 | 3.90E-06 | 2.37E-06 | 5.00E-07 | 1.21E-06 | 6.96E-05 |
| R MARROW | G | 1.30E-05 | 3.72E-06 | 3.21E-05 | 3.21E-05 | 9.25E-05 | 2.78E-05 | 3.54E-06 | 2.52E-06 | 2.97E-07 | 1.13E-06 | 1.06E-05 |
| | B | 0.0 | 0.0 | 4.19E-06 | 4.56E-04 | 2.50E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 1.30E-05 | 3.72E-06 | 3.63E-05 | 4.88E-04 | 2.59E-03 | 2.78E-05 | 3.54E-06 | 2.52E-06 | 2.97E-07 | 1.13E-06 | 7.09E-05 |
| Y MARROW | G | 4.41E-06 | 2.16E-06 | 3.24E-05 | 3.24E-05 | 3.08E-05 | 6.10E-05 | 4.81E-06 | 3.64E-06 | 1.19E-07 | 5.99E-07 | 9.61E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.81E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 4.41E-06 | 2.16E-06 | 3.24E-05 | 3.24E-05 | 3.08E-05 | 2.87E-03 | 4.81E-06 | 3.64E-06 | 1.19E-07 | 5.99E-07 | 6.99E-05 |
| T E CL | G | 3.14E-06 | 2.03E-06 | 3.37E-05 | 3.37E-05 | 3.60E-05 | 3.53E-05 | 3.90E-06 | 2.37E-06 | 5.00E-07 | 1.21E-06 | 9.45E-06 |
| | B | 0.0 | 0.0 | 4.40E-04 | 9.12E-04 | 7.99E-04 | 7.03E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 3.14E-06 | 2.03E-06 | 4.74E-04 | 9.45E-04 | 8.35E-04 | 7.39E-04 | 3.90E-06 | 2.37E-06 | 5.00E-07 | 1.21E-06 | 6.97E-05 |
| SKIN | G | 2.15E-07 | 2.31E-07 | 1.04E-06 | 1.04E-06 | 9.14E-07 | 1.40E-06 | 1.93E-05 | 6.22E-07 | 6.56E-06 | 2.29E-06 | 2.97E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-03 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 2.15E-07 | 2.31E-07 | 1.04E-06 | 1.04E-06 | 9.14E-07 | 1.40E-06 | 1.64E-03 | 6.22E-07 | 6.56E-06 | 2.29E-06 | 6.33E-05 |
| SPLEEN | G | 6.62E-08 | 7.84E-05 | 8.84E-07 | 8.84E-07 | 6.40E-07 | 1.00E-06 | 6.45E-07 | 1.12E-03 | 2.25E-09 | 5.73E-09 | 6.22E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.34E-02 | 0.0 | 0.0 | 6.03E-05 |
| | T | 6.62E-08 | 7.84E-05 | 8.84E-07 | 8.84E-07 | 6.40E-07 | 1.00E-06 | 6.45E-07 | 2.46E-02 | 2.25E-09 | 5.73E-09 | 6.65E-05 |
| TESTES | G | 2.75E-46 | 2.34E-09 | 3.41E-07 | 3.41E-07 | 1.49E-07 | 5.10E-07 | 4.27E-06 | 2.47E-09 | 3.61E-03 | 7.39E-11 | 4.47E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.21E-01 | 0.0 | 6.03E-05 |
| | T | 2.75E-46 | 2.34E-09 | 3.41E-07 | 3.41E-07 | 1.49E-07 | 5.10E-07 | 4.27E-06 | 2.47E-09 | 1.24E-01 | 7.39E-11 | 6.48E-05 |
| THYMUS | G | 1.43E-09 | 6.01E-08 | 3.75E-07 | 3.75E-07 | 5.81E-07 | 1.04E-06 | 6.59E-07 | 2.24E-08 | 2.32E-10 | 4.51E-06 | 6.15E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 1.43E-09 | 6.01E-08 | 3.75E-07 | 3.75E-07 | 5.81E-07 | 1.04E-06 | 6.59E-07 | 2.24E-08 | 2.32E-10 | 4.51E-06 | 6.64E-05 |
| THYROID | G | 3.78E-10 | 5.05E-09 | 7.81E-07 | 7.81E-07 | 4.05E-07 | 8.90E-07 | 2.18E-06 | 4.35E-09 | 7.40E-11 | 5.33E-03 | 4.99E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.11E-01 | 6.03E-05 |
| | T | 3.78E-10 | 5.05E-09 | 7.81E-07 | 7.81E-07 | 4.05E-07 | 8.90E-07 | 2.18E-06 | 4.35E-09 | 7.40E-11 | 2.16E-01 | 6.53E-05 |
| UTERUS | G | 5.85E-05 | 7.03E-08 | 4.84E-07 | 4.84E-07 | 1.29E-06 | 4.75E-07 | 2.83E-07 | 3.88E-08 | 2.75E-46 | 3.58E-10 | 6.21E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-05 |
| | T | 5.85E-05 | 7.03E-08 | 4.84E-07 | 4.84E-07 | 1.29E-06 | 4.75E-07 | 2.83E-07 | 3.88E-08 | 2.75E-46 | 3.58E-10 | 6.65E-05 |
| T BODY | G | 6.80E-06 | 6.77E-06 | 6.32E-06 | 6.32E-06 | 6.39E-06 | 6.08E-06 | 3.27E-06 | 6.44E-06 | 5.17E-06 | 5.55E-06 | 5.75E-06 |
| | B | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 | 6.03E-05 |
| | T | 6.71E-05 | 6.71E-05 | 6.66E-05 | 6.66E-05 | 6.67E-05 | 6.64E-05 | 6.36E-05 | 6.67E-05 | 6.55E-05 | 6.58E-05 | 6.60E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-AUGUST 1968

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 52-TELLURIUM-127 (TR=9.300E 00 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.30E-04 | 1.58E-07 | 1.60E-06 | 9.82E-07 | 7.02E-07 | 3.49E-07 | 8.44E-06 | 3.59E-06 | 1.77E-06 | 1.77E-06 | 1.10E-06 |
| | B | 8.12E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.12E-01 | 1.58E-07 | 1.60E-06 | 9.82E-07 | 7.02E-07 | 3.49E-07 | 8.44E-06 | 3.59E-06 | 1.77E-06 | 1.77E-06 | 1.10E-06 |
| BLAD WALL | G | 8.03E-08 | 5.38E-05 | 2.71E-07 | 2.27E-06 | 1.43E-06 | 4.32E-06 | 2.58E-07 | 2.04E-07 | 4.75E-08 | 4.75E-08 | 1.29E-06 |
| | B | 0.0 | 2.84E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.03E-08 | 2.85E-02 | 2.71E-07 | 2.27E-06 | 1.43E-06 | 4.32E-06 | 2.58E-07 | 2.04E-07 | 4.75E-08 | 4.75E-08 | 1.29E-06 |
| GI TRACT S WALL | G | 2.12E-06 | 2.21E-07 | 3.80E-05 | 2.53E-06 | 2.66E-06 | 1.30E-06 | 2.43E-06 | 1.38E-06 | 1.34E-06 | 1.34E-06 | 1.02E-06 |
| | B | 0.0 | 0.0 | 2.27E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.12E-06 | 2.21E-07 | 2.28E-02 | 2.53E-06 | 2.66E-06 | 1.30E-06 | 2.43E-06 | 1.38E-06 | 1.34E-06 | 1.34E-06 | 1.02E-06 |
| SI+CONT | G | 6.65E-07 | 1.95E-06 | 1.90E-06 | 2.27E-05 | 1.20E-05 | 6.63E-06 | 2.01E-06 | 1.17E-06 | 1.81E-07 | 1.81E-07 | 1.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 1.42E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.65E-07 | 1.95E-06 | 1.90E-06 | 1.42E-02 | 1.20E-05 | 6.63E-06 | 2.01E-06 | 1.17E-06 | 1.81E-07 | 1.81E-07 | 1.12E-06 |
| ULI WALL | G | 7.22E-07 | 1.71E-06 | 2.45E-06 | 1.69E-05 | 3.12E-05 | 3.08E-06 | 2.08E-06 | 1.83E-06 | 2.40E-07 | 2.40E-07 | 1.18E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.58E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.22E-07 | 1.71E-06 | 2.45E-06 | 1.69E-05 | 2.59E-02 | 3.08E-06 | 2.08E-06 | 1.83E-06 | 2.40E-07 | 2.40E-07 | 1.18E-06 |
| LLI WALL | G | 2.25E-07 | 5.14E-06 | 9.22E-07 | 5.03E-06 | 2.17E-06 | 3.75E-05 | 6.27E-07 | 2.13E-07 | 6.47E-08 | 6.47E-08 | 1.23E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.21E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.25E-07 | 5.14E-06 | 9.22E-07 | 5.03E-06 | 2.17E-06 | 4.21E-02 | 6.27E-07 | 2.13E-07 | 6.47E-08 | 6.47E-08 | 1.23E-06 |
| KIDNEYS | G | 8.42E-06 | 2.52E-07 | 2.44E-06 | 2.26E-06 | 1.97E-06 | 6.30E-07 | 5.30E-05 | 2.75E-06 | 7.15E-07 | 7.15E-07 | 1.03E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.67E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.42E-06 | 2.52E-07 | 2.44E-06 | 2.26E-06 | 1.97E-06 | 6.30E-07 | 3.67E-02 | 2.75E-06 | 7.15E-07 | 7.15E-07 | 1.03E-06 |
| LIVER | G | 3.57E-06 | 1.87E-07 | 1.45E-06 | 1.32E-06 | 1.82E-06 | 2.34E-07 | 2.86E-06 | 1.87E-05 | 1.75E-06 | 1.75E-06 | 8.01E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.31E-03 | 0.0 | 0.0 | 0.0 |
| | T | 3.57E-06 | 1.87E-07 | 1.45E-06 | 1.32E-06 | 1.82E-06 | 2.34E-07 | 2.86E-06 | 6.33E-03 | 1.75E-06 | 1.75E-06 | 8.01E-07 |
| LUNGS | G | 1.73E-06 | 2.91E-08 | 1.31E-06 | 2.21E-07 | 2.29E-07 | 6.95E-08 | 6.59E-07 | 1.77E-06 | 1.07E-05 | 1.07E-05 | 9.69E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-02 | 1.14E-02 | 0.0 |
| | T | 1.73E-06 | 2.91E-08 | 1.31E-06 | 2.21E-07 | 2.29E-07 | 6.95E-08 | 6.59E-07 | 1.77E-06 | 1.14E-02 | 1.14E-02 | 9.69E-07 |
| RESP LYM NODE | G | 1.73E-06 | 2.91E-08 | 1.31E-06 | 2.21E-07 | 2.29E-07 | 6.95E-08 | 6.59E-07 | 1.77E-06 | 1.07E-05 | 1.07E-05 | 9.69E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-02 | 7.57E-01 | 0.0 |
| | T | 1.73E-06 | 2.91E-08 | 1.31E-06 | 2.21E-07 | 2.29E-07 | 6.95E-08 | 6.59E-07 | 1.77E-06 | 1.14E-02 | 7.57E-01 | 9.69E-07 |
| MUSCLE* | G | 1.10E-06 | 1.29E-06 | 1.02E-06 | 1.12E-06 | 1.07E-06 | 1.23E-06 | 1.03E-06 | 8.01E-07 | 9.69E-07 | 9.69E-07 | 1.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.06E-04 |
| | T | 1.10E-06 | 1.29E-06 | 1.02E-06 | 1.12E-06 | 1.07E-06 | 1.23E-06 | 1.03E-06 | 8.01E-07 | 9.69E-07 | 9.69E-07 | 4.07E-04 |
| OVARIES | G | 4.03E-07 | 4.90E-06 | 3.40E-07 | 6.81E-06 | 8.97E-06 | 1.26E-05 | 8.51E-07 | 2.14E-07 | 1.03E-07 | 1.03E-07 | 1.44E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.03E-07 | 4.90E-06 | 3.40E-07 | 6.81E-06 | 8.97E-06 | 1.26E-05 | 8.51E-07 | 2.14E-07 | 1.03E-07 | 1.03E-07 | 1.44E-06 |

52-TELLURIUM-127 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 6.12E-06 | 1.98E-07 | 1.29E-05 | 1.49E-06 | 1.45E-06 | 5.27E-07 | 4.71E-06 | 3.24E-06 | 1.95E-06 | 1.95E-06 | 1.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.12E-06 | 1.98E-07 | 1.29E-05 | 1.49E-06 | 1.45E-06 | 5.27E-07 | 4.71E-06 | 3.24E-06 | 1.95E-06 | 1.95E-06 | 1.31E-06 |
| SKELETON BONE | G | 1.06E-06 | 4.69E-07 | 4.71E-07 | 6.25E-07 | 5.72E-07 | 8.27E-07 | 7.61E-07 | 5.78E-07 | 7.76E-07 | 7.76E-07 | 7.87E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-06 | 4.69E-07 | 4.71E-07 | 6.25E-07 | 5.72E-07 | 8.27E-07 | 7.61E-07 | 5.78E-07 | 7.76E-07 | 7.76E-07 | 7.87E-07 |
| R MARROW | G | 1.91E-06 | 1.03E-06 | 8.25E-07 | 2.02E-06 | 1.75E-06 | 2.51E-06 | 1.95E-06 | 8.43E-07 | 9.80E-07 | 9.80E-07 | 1.07E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.91E-06 | 1.03E-06 | 8.25E-07 | 2.02E-06 | 1.75E-06 | 2.51E-06 | 1.95E-06 | 8.43E-07 | 9.80E-07 | 9.80E-07 | 1.07E-06 |
| Y MARROW | G | 1.02E-06 | 4.30E-07 | 6.55E-07 | 8.70E-07 | 8.13E-07 | 1.02E-06 | 9.43E-07 | 8.50E-07 | 8.13E-07 | 8.13E-07 | 8.53E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.02E-06 | 4.30E-07 | 6.55E-07 | 8.70E-07 | 8.13E-07 | 1.02E-06 | 9.43E-07 | 8.50E-07 | 8.13E-07 | 8.13E-07 | 8.53E-07 |
| T E CL | G | 1.06E-06 | 4.69E-07 | 4.71E-07 | 6.25E-07 | 5.72E-07 | 8.27E-07 | 7.61E-07 | 5.78E-07 | 7.76E-07 | 7.76E-07 | 7.87E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-06 | 4.69E-07 | 4.71E-07 | 6.25E-07 | 5.72E-07 | 8.27E-07 | 7.61E-07 | 5.78E-07 | 7.76E-07 | 7.76E-07 | 7.87E-07 |
| SKIN | G | 4.69E-07 | 4.49E-07 | 3.98E-07 | 3.65E-07 | 3.77E-07 | 4.11E-07 | 4.60E-07 | 4.18E-07 | 4.70E-07 | 4.70E-07 | 6.29E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.69E-07 | 4.49E-07 | 3.98E-07 | 3.65E-07 | 3.77E-07 | 4.11E-07 | 4.60E-07 | 4.18E-07 | 4.70E-07 | 4.70E-07 | 6.29E-07 |
| SPLEEN | G | 4.73E-06 | 1.44E-07 | 7.03E-06 | 1.13E-06 | 9.28E-07 | 6.37E-07 | 6.17E-06 | 7.04E-07 | 1.59E-06 | 1.59E-06 | 1.07E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.73E-06 | 1.44E-07 | 7.03E-06 | 1.13E-06 | 9.28E-07 | 6.37E-07 | 6.17E-06 | 7.04E-07 | 1.59E-06 | 1.59E-06 | 1.07E-06 |
| TESTES | G | 4.50E-08 | 3.54E-06 | 2.76E-08 | 2.58E-07 | 3.23E-07 | 1.49E-06 | 1.00E-07 | 7.47E-08 | 1.47E-08 | 1.47E-08 | 8.81E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.50E-08 | 3.54E-06 | 2.76E-08 | 2.58E-07 | 3.23E-07 | 1.49E-06 | 1.00E-07 | 7.47E-08 | 1.47E-08 | 1.47E-08 | 8.81E-07 |
| THYMUS | G | 5.46E-07 | 1.93E-08 | 1.70E-07 | 9.27E-08 | 1.02E-07 | 3.71E-08 | 2.41E-07 | 7.94E-07 | 2.74E-06 | 2.74E-06 | 1.52E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.46E-07 | 1.93E-08 | 1.70E-07 | 9.27E-08 | 1.02E-07 | 3.71E-08 | 2.41E-07 | 7.94E-07 | 2.74E-06 | 2.74E-06 | 1.52E-06 |
| THYROID | G | 1.34E-07 | 5.40E-09 | 1.02E-07 | 2.46E-08 | 2.65E-08 | 1.08E-08 | 6.15E-08 | 1.43E-07 | 7.76E-07 | 7.76E-07 | 9.91E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-07 | 5.40E-09 | 1.02E-07 | 2.46E-08 | 2.65E-08 | 1.08E-08 | 6.15E-08 | 1.43E-07 | 7.76E-07 | 7.76E-07 | 9.91E-07 |
| UTERUS | G | 7.68E-07 | 1.10E-05 | 6.27E-07 | 6.48E-06 | 3.30E-06 | 4.41E-06 | 6.63E-07 | 3.05E-07 | 6.95E-08 | 6.95E-08 | 1.48E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.68E-07 | 1.10E-05 | 6.27E-07 | 6.48E-06 | 3.30E-06 | 4.41E-06 | 6.63E-07 | 3.05E-07 | 6.95E-08 | 6.95E-08 | 1.48E-06 |
| T BODY | G | 1.22E-06 | 1.36E-06 | 1.29E-06 | 1.43E-06 | 1.39E-06 | 1.39E-06 | 1.23E-06 | 1.24E-06 | 1.06E-06 | 1.06E-06 | 1.03E-06 |
| | B | 1.62E-04 | 1.83E-05 | 4.87E-05 | 1.30E-04 | 7.75E-05 | 9.62E-05 | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 |
| | T | 1.64E-04 | 1.96E-05 | 5.00E-05 | 1.31E-04 | 7.89E-05 | 9.76E-05 | 1.64E-04 | 1.64E-04 | 1.63E-04 | 1.63E-04 | 1.63E-04 |

CONTINUED NEXT PAGE

52-TELLURIUM-127 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.82E-07 | 6.12E-06 | 1.12E-06 | 1.12E-06 | 1.49E-06 | 8.75E-07 | 5.22E-07 | 4.49E-06 | 4.50E-08 | 1.34E-07 | 1.55E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 3.82E-07 | 6.12E-06 | 1.12E-06 | 1.12E-06 | 1.49E-06 | 8.75E-07 | 5.22E-07 | 4.49E-06 | 4.50E-08 | 1.34E-07 | 1.64E-04 |
| BLAD WALL | G | 4.88E-06 | 1.32E-07 | 4.31E-07 | 4.31E-07 | 5.11E-07 | 2.15E-07 | 4.31E-07 | 1.05E-07 | 3.61E-06 | 5.45E-09 | 1.30E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 4.88E-06 | 1.32E-07 | 4.31E-07 | 4.31E-07 | 5.11E-07 | 2.15E-07 | 4.31E-07 | 1.05E-07 | 3.61E-06 | 5.45E-09 | 1.64E-04 |
| GI TRACT S WALL | G | 5.94E-07 | 1.28E-05 | 4.22E-07 | 4.22E-07 | 7.45E-07 | 5.36E-07 | 4.46E-07 | 7.06E-06 | 6.76E-08 | 7.10E-08 | 1.33E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 5.94E-07 | 1.28E-05 | 4.22E-07 | 4.22E-07 | 7.45E-07 | 5.36E-07 | 4.46E-07 | 7.06E-06 | 6.76E-08 | 7.10E-08 | 1.64E-04 |
| SI+CONT | G | 8.64E-06 | 1.30E-06 | 5.72E-07 | 5.72E-07 | 1.92E-06 | 7.66E-07 | 3.82E-07 | 1.01E-06 | 3.58E-07 | 7.36E-09 | 1.44E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 8.64E-06 | 1.30E-06 | 5.72E-07 | 5.72E-07 | 1.92E-06 | 7.66E-07 | 3.82E-07 | 1.01E-06 | 3.58E-07 | 7.36E-09 | 1.64E-04 |
| ULI WALL | G | 8.16E-06 | 1.57E-06 | 5.17E-07 | 5.17E-07 | 1.51E-06 | 6.46E-07 | 3.91E-07 | 9.66E-07 | 2.43E-07 | 7.75E-09 | 1.38E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 8.16E-06 | 1.57E-06 | 5.17E-07 | 5.17E-07 | 1.51E-06 | 6.46E-07 | 3.91E-07 | 9.66E-07 | 2.43E-07 | 7.75E-09 | 1.64E-04 |
| LLI WALL | G | 1.04E-05 | 3.95E-07 | 7.15E-07 | 7.15E-07 | 2.19E-06 | 6.20E-07 | 4.09E-07 | 4.89E-07 | 2.05E-06 | 8.93E-09 | 1.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 1.04E-05 | 3.95E-07 | 7.15E-07 | 7.15E-07 | 2.19E-06 | 6.20E-07 | 4.09E-07 | 4.89E-07 | 2.05E-06 | 8.93E-09 | 1.64E-04 |
| KIDNEYS | G | 7.79E-07 | 4.54E-06 | 6.59E-07 | 6.59E-07 | 1.68E-06 | 8.51E-07 | 5.18E-07 | 6.29E-06 | 6.23E-08 | 3.28E-08 | 1.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 7.79E-07 | 4.54E-06 | 6.59E-07 | 6.59E-07 | 1.68E-06 | 8.51E-07 | 5.18E-07 | 6.29E-06 | 6.23E-08 | 3.28E-08 | 1.64E-04 |
| LIVER | G | 4.35E-07 | 3.04E-06 | 5.02E-07 | 5.02E-07 | 7.28E-07 | 7.66E-07 | 4.64E-07 | 7.62E-07 | 3.45E-08 | 1.05E-07 | 1.24E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 4.35E-07 | 3.04E-06 | 5.02E-07 | 5.02E-07 | 7.28E-07 | 7.66E-07 | 4.64E-07 | 7.62E-07 | 3.45E-08 | 1.05E-07 | 1.64E-04 |
| LUNGS | G | 7.09E-08 | 1.76E-06 | 7.11E-07 | 7.11E-07 | 8.74E-07 | 7.20E-07 | 4.82E-07 | 1.61E-06 | 9.77E-09 | 7.40E-07 | 1.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 7.09E-08 | 1.76E-06 | 7.11E-07 | 7.11E-07 | 8.74E-07 | 7.20E-07 | 4.82E-07 | 1.61E-06 | 9.77E-09 | 7.40E-07 | 1.63E-04 |
| RESP LYM NODE | G | 7.09E-08 | 1.76E-06 | 7.11E-07 | 7.11E-07 | 8.74E-07 | 7.20E-07 | 4.82E-07 | 1.61E-06 | 9.77E-09 | 7.40E-07 | 1.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 7.09E-08 | 1.76E-06 | 7.11E-07 | 7.11E-07 | 8.74E-07 | 7.20E-07 | 4.82E-07 | 1.61E-06 | 9.77E-09 | 7.40E-07 | 1.63E-04 |
| MUSCLE* | G | 1.44E-06 | 1.31E-06 | 7.87E-07 | 7.87E-07 | 9.33E-07 | 7.24E-07 | 6.29E-07 | 1.07E-06 | 8.81E-07 | 9.91E-07 | 1.03E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 1.44E-06 | 1.31E-06 | 7.87E-07 | 7.87E-07 | 9.33E-07 | 7.24E-07 | 6.29E-07 | 1.07E-06 | 8.81E-07 | 9.91E-07 | 1.63E-04 |
| OVARIES | G | 5.54E-04 | 2.55E-07 | 6.90E-07 | 6.90E-07 | 2.27E-06 | 7.51E-07 | 2.64E-07 | 6.49E-07 | 4.27E-49 | 1.06E-08 | 1.27E-06 |
| | B | 1.03E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 1.03E 00 | 2.55E-07 | 6.90E-07 | 6.90E-07 | 2.27E-06 | 7.51E-07 | 2.64E-07 | 6.49E-07 | 4.27E-49 | 1.06E-08 | 1.64E-04 |

52-TELLURIUM-127 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.83E-07 | 1.53E-04 | 6.99E-07 | 6.99E-07 | 1.22E-06 | 9.55E-07 | 4.22E-07 | 1.40E-05 | 3.65E-08 | 5.94E-08 | 1.37E-06 |
| | B | 0.0 | 1.14E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 3.83E-07 | 1.14E-01 | 6.99E-07 | 6.99E-07 | 1.22E-06 | 9.55E-07 | 4.22E-07 | 1.40E-05 | 3.65E-08 | 5.94E-08 | 1.64E-04 |
| SKELETON BONE | G | 7.41E-07 | 7.22E-07 | 2.65E-06 | 2.65E-06 | 1.77E-06 | 1.95E-06 | 6.24E-07 | 5.99E-07 | 5.05E-07 | 5.70E-07 | 1.14E-06 |
| | B | 0.0 | 0.0 | 2.27E-03 | 1.46E-03 | 5.39E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 7.41E-07 | 7.22E-07 | 2.28E-03 | 1.47E-03 | 5.40E-04 | 1.95E-06 | 6.24E-07 | 5.99E-07 | 5.05E-07 | 5.70E-07 | 1.63E-04 |
| R MARROW | G | 2.51E-06 | 1.37E-06 | 2.37E-06 | 2.37E-06 | 5.71E-06 | 2.02E-06 | 5.86E-07 | 8.97E-07 | 4.06E-07 | 6.29E-07 | 1.27E-06 |
| | B | 0.0 | 0.0 | 4.16E-05 | 2.69E-03 | 5.67E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 2.51E-06 | 1.37E-06 | 4.40E-05 | 2.70E-03 | 5.67E-03 | 2.02E-06 | 5.86E-07 | 8.97E-07 | 4.06E-07 | 6.29E-07 | 1.64E-04 |
| Y MARROW | G | 9.92E-07 | 8.46E-07 | 2.29E-06 | 2.29E-06 | 2.19E-06 | 3.34E-06 | 6.59E-07 | 8.96E-07 | 2.09E-07 | 3.01E-07 | 1.07E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.57E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 9.92E-07 | 8.46E-07 | 2.29E-06 | 2.29E-06 | 2.19E-06 | 7.58E-03 | 6.59E-07 | 8.96E-07 | 2.09E-07 | 3.01E-07 | 1.63E-04 |
| T E CL | G | 7.41E-07 | 7.22E-07 | 2.65E-06 | 2.65E-06 | 2.40E-06 | 2.17E-06 | 6.24E-07 | 5.99E-07 | 5.05E-07 | 5.70E-07 | 1.14E-06 |
| | B | 0.0 | 0.0 | 1.45E-03 | 2.63E-03 | 2.04E-03 | 1.89E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 7.41E-07 | 7.22E-07 | 1.45E-03 | 2.63E-03 | 2.04E-03 | 1.90E-03 | 6.24E-07 | 5.99E-07 | 5.05E-07 | 5.70E-07 | 1.63E-04 |
| SKIN | G | 3.62E-07 | 3.49E-07 | 5.97E-07 | 5.97E-07 | 5.25E-07 | 6.66E-07 | 1.42E-06 | 4.27E-07 | 1.13E-06 | 6.14E-07 | 6.28E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-03 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 3.62E-07 | 3.49E-07 | 5.97E-07 | 5.97E-07 | 5.25E-07 | 6.66E-07 | 4.37E-03 | 4.27E-07 | 1.13E-06 | 6.14E-07 | 1.63E-04 |
| SPLEEN | G | 4.66E-07 | 1.40E-05 | 5.62E-07 | 5.62E-07 | 6.10E-07 | 7.27E-07 | 4.57E-07 | 9.48E-05 | 6.76E-08 | 9.03E-08 | 1.30E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.31E-02 | 0.0 | 0.0 | 1.62E-04 |
| | T | 4.66E-07 | 1.40E-05 | 5.62E-07 | 5.62E-07 | 6.10E-07 | 7.27E-07 | 4.57E-07 | 6.32E-02 | 6.76E-08 | 9.03E-08 | 1.64E-04 |
| TESTES | G | 4.27E-49 | 4.85E-08 | 4.27E-07 | 4.27E-07 | 2.80E-07 | 7.30E-07 | 6.70E-07 | 6.20E-08 | 2.59E-04 | 1.84E-09 | 1.17E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.25E-01 | 0.0 | 1.62E-04 |
| | T | 4.27E-49 | 4.85E-08 | 4.27E-07 | 4.27E-07 | 2.80E-07 | 7.30E-07 | 6.70E-07 | 6.20E-08 | 3.25E-01 | 1.84E-09 | 1.63E-04 |
| THYMUS | G | 3.85E-08 | 4.63E-07 | 4.77E-07 | 4.77E-07 | 4.00E-07 | 3.61E-07 | 5.84E-07 | 3.18E-07 | 6.35E-09 | 3.16E-06 | 1.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 3.85E-08 | 4.63E-07 | 4.77E-07 | 4.77E-07 | 4.00E-07 | 3.61E-07 | 5.84E-07 | 3.18E-07 | 6.35E-09 | 3.16E-06 | 1.64E-04 |
| THYROID | G | 1.06E-08 | 1.27E-07 | 7.61E-07 | 7.61E-07 | 6.09E-07 | 5.15E-07 | 5.93E-07 | 9.86E-08 | 1.84E-09 | 3.48E-04 | 9.94E-07 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.68E-01 | 1.62E-04 |
| | T | 1.06E-08 | 1.27E-07 | 7.61E-07 | 7.61E-07 | 6.09E-07 | 5.15E-07 | 5.93E-07 | 9.86E-08 | 1.84E-09 | 5.68E-01 | 1.63E-04 |
| UTERUS | G | 1.39E-05 | 4.58E-07 | 4.27E-07 | 4.27E-07 | 1.48E-06 | 4.73E-07 | 3.66E-07 | 3.19E-07 | 4.27E-49 | 1.00E-08 | 1.36E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-04 |
| | T | 1.39E-05 | 4.58E-07 | 4.27E-07 | 4.27E-07 | 1.48E-06 | 4.73E-07 | 3.66E-07 | 3.19E-07 | 4.27E-49 | 1.00E-08 | 1.64E-04 |
| T BODY | G | 1.46E-06 | 1.43E-06 | 1.04E-06 | 1.04E-06 | 1.16E-06 | 9.27E-07 | 6.38E-07 | 1.23E-06 | 1.02E-06 | 9.41E-07 | 1.04E-06 |
| | B | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 | 1.62E-04 |
| | T | 1.64E-04 | 1.64E-04 | 1.63E-04 | 1.63E-04 | 1.63E-04 | 1.63E-04 | 1.63E-04 | 1.64E-04 | 1.63E-04 | 1.63E-04 | 1.63E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-AUGUST 1968

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 52-TELLURIUM-129M (TR=3.300E 01 DAYS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 6.83E-03 | 1.24E-06 | 1.21E-05 | 6.38E-06 | 6.11E-06 | 2.57E-06 | 9.92E-05 | 3.42E-05 | 1.48E-05 | 1.48E-05 | 1.22E-05 |
| | B | 9.81E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.88E-01 | 1.24E-06 | 1.21E-05 | 6.38E-06 | 6.11E-06 | 2.57E-06 | 9.92E-05 | 3.42E-05 | 1.48E-05 | 1.48E-05 | 1.22E-05 |
| BLAD WALL | G | 8.80E-07 | 7.91E-04 | 2.47E-06 | 1.67E-05 | 1.15E-05 | 3.65E-05 | 2.19E-06 | 1.45E-06 | 4.23E-07 | 4.23E-07 | 1.25E-05 |
| | B | 0.0 | 3.43E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.80E-07 | 3.51E-02 | 2.47E-06 | 1.67E-05 | 1.15E-05 | 3.65E-05 | 2.19E-06 | 1.45E-06 | 4.23E-07 | 4.23E-07 | 1.25E-05 |
| GI TRACT S WALL | G | 1.69E-05 | 2.17E-06 | 5.49E-04 | 2.27E-05 | 2.62E-05 | 1.04E-05 | 1.97E-05 | 1.12E-05 | 1.24E-05 | 1.24E-05 | 9.91E-06 |
| | B | 0.0 | 0.0 | 2.75E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.69E-05 | 2.17E-06 | 2.80E-02 | 2.27E-05 | 2.62E-05 | 1.04E-05 | 1.97E-05 | 1.12E-05 | 1.24E-05 | 1.24E-05 | 9.91E-06 |
| SI+CONT | G | 5.04E-06 | 1.53E-05 | 1.55E-05 | 3.19E-04 | 1.38E-04 | 7.44E-05 | 1.62E-05 | 9.12E-06 | 1.55E-06 | 1.55E-06 | 1.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.72E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.04E-06 | 1.53E-05 | 1.55E-05 | 1.75E-02 | 1.38E-04 | 7.44E-05 | 1.62E-05 | 9.12E-06 | 1.55E-06 | 1.55E-06 | 1.05E-05 |
| ULI WALL | G | 5.75E-06 | 1.22E-05 | 2.17E-05 | 2.34E-04 | 4.62E-04 | 3.30E-05 | 1.67E-05 | 1.56E-05 | 2.08E-06 | 2.08E-06 | 1.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.75E-06 | 1.22E-05 | 2.17E-05 | 2.34E-04 | 3.17E-02 | 3.30E-05 | 1.67E-05 | 1.56E-05 | 2.08E-06 | 2.08E-06 | 1.14E-05 |
| LLI WALL | G | 1.62E-06 | 4.65E-05 | 7.36E-06 | 5.97E-05 | 2.26E-05 | 5.73E-04 | 4.72E-06 | 1.57E-06 | 4.45E-07 | 4.45E-07 | 1.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.09E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.62E-06 | 4.65E-05 | 7.36E-06 | 5.97E-05 | 2.26E-05 | 5.14E-02 | 4.72E-06 | 1.57E-06 | 4.45E-07 | 4.45E-07 | 1.15E-05 |
| KIDNEYS | G | 9.29E-05 | 1.94E-06 | 1.94E-05 | 1.85E-05 | 1.61E-05 | 4.77E-06 | 8.93E-04 | 2.43E-05 | 5.66E-06 | 5.66E-06 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.43E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.29E-05 | 1.94E-06 | 1.94E-05 | 1.85E-05 | 1.61E-05 | 4.77E-06 | 4.52E-02 | 2.43E-05 | 5.66E-06 | 5.66E-06 | 1.07E-05 |
| LIVER | G | 3.38E-05 | 1.52E-06 | 1.16E-05 | 1.09E-05 | 1.52E-05 | 1.90E-06 | 2.52E-05 | 2.63E-04 | 1.71E-05 | 1.71E-05 | 7.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.63E-03 | 0.0 | 0.0 | 0.0 |
| | T | 3.38E-05 | 1.52E-06 | 1.16E-05 | 1.09E-05 | 1.52E-05 | 1.90E-06 | 2.52E-05 | 7.89E-03 | 1.71E-05 | 1.71E-05 | 7.77E-06 |
| LUNGS | G | 1.55E-05 | 3.27E-07 | 1.20E-05 | 1.79E-06 | 1.95E-06 | 6.61E-07 | 5.40E-06 | 1.82E-05 | 1.94E-04 | 1.94E-04 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37E-02 | 1.37E-02 | 0.0 |
| | T | 1.55E-05 | 3.27E-07 | 1.20E-05 | 1.79E-06 | 1.95E-06 | 6.61E-07 | 5.40E-06 | 1.82E-05 | 1.39E-02 | 1.39E-02 | 1.07E-05 |
| RESP LYM NODE | G | 1.55E-05 | 3.27E-07 | 1.20E-05 | 1.79E-06 | 1.95E-06 | 6.61E-07 | 5.40E-06 | 1.82E-05 | 1.86E-04 | 1.94E-04 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36E-02 | 9.16E-01 | 0.0 |
| | T | 1.55E-05 | 3.27E-07 | 1.20E-05 | 1.79E-06 | 1.95E-06 | 6.61E-07 | 5.40E-06 | 1.82E-05 | 1.38E-02 | 9.16E-01 | 1.07E-05 |
| MUSCLE* | G | 1.22E-05 | 1.25E-05 | 9.91E-06 | 1.05E-05 | 1.00E-05 | 1.15E-05 | 1.07E-05 | 7.77E-06 | 1.07E-05 | 1.07E-05 | 1.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.91E-04 |
| | T | 1.22E-05 | 1.25E-05 | 9.91E-06 | 1.05E-05 | 1.00E-05 | 1.15E-05 | 1.07E-05 | 7.77E-06 | 1.07E-05 | 1.07E-05 | 5.03E-04 |
| OVARIES | G | 2.84E-06 | 3.68E-05 | 4.84E-06 | 7.12E-05 | 8.10E-05 | 1.51E-04 | 7.14E-06 | 2.23E-06 | 8.35E-07 | 8.35E-07 | 1.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.84E-06 | 3.68E-05 | 4.84E-06 | 7.12E-05 | 8.10E-05 | 1.51E-04 | 7.14E-06 | 2.23E-06 | 8.35E-07 | 8.35E-07 | 1.49E-05 |

52-TELLURIUM-129M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 5.62E-05 | 1.43E-06 | 1.36E-04 | 1.13E-05 | 1.07E-05 | 4.02E-06 | 4.22E-05 | 2.88E-05 | 1.59E-05 | 1.59E-05 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.62E-05 | 1.43E-06 | 1.36E-04 | 1.13E-05 | 1.07E-05 | 4.02E-06 | 4.22E-05 | 2.88E-05 | 1.59E-05 | 1.59E-05 | 1.37E-05 |
| SKELETON BONE | G | 1.18E-05 | 3.33E-06 | 4.07E-06 | 5.80E-06 | 5.27E-06 | 9.77E-06 | 7.53E-06 | 5.70E-06 | 8.60E-06 | 8.60E-06 | 6.81E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-05 | 3.33E-06 | 4.07E-06 | 5.80E-06 | 5.27E-06 | 9.77E-06 | 7.53E-06 | 5.70E-06 | 8.60E-06 | 8.60E-06 | 6.81E-06 |
| R MARROW | G | 2.00E-05 | 7.50E-06 | 6.46E-06 | 1.97E-05 | 1.72E-05 | 3.38E-05 | 1.93E-05 | 7.31E-06 | 1.05E-05 | 1.05E-05 | 1.26E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.00E-05 | 7.50E-06 | 6.46E-06 | 1.97E-05 | 1.72E-05 | 3.38E-05 | 1.93E-05 | 7.31E-06 | 1.05E-05 | 1.05E-05 | 1.26E-05 |
| Y MARROW | G | 1.12E-05 | 3.14E-06 | 5.69E-06 | 8.04E-06 | 7.50E-06 | 1.27E-05 | 9.22E-06 | 8.65E-06 | 9.48E-06 | 9.48E-06 | 1.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-05 | 3.14E-06 | 5.69E-06 | 8.04E-06 | 7.50E-06 | 1.27E-05 | 9.22E-06 | 8.65E-06 | 9.48E-06 | 9.48E-06 | 1.03E-05 |
| T E CL | G | 1.18E-05 | 3.33E-06 | 4.07E-06 | 5.80E-06 | 5.27E-06 | 9.77E-06 | 7.53E-06 | 5.70E-06 | 8.60E-06 | 8.60E-06 | 6.81E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-05 | 3.33E-06 | 4.07E-06 | 5.80E-06 | 5.27E-06 | 9.77E-06 | 7.53E-06 | 5.70E-06 | 8.60E-06 | 8.60E-06 | 6.81E-06 |
| SKIN | G | 4.35E-06 | 4.05E-06 | 3.63E-06 | 3.11E-06 | 3.20E-06 | 3.50E-06 | 4.32E-06 | 3.72E-06 | 4.20E-06 | 4.20E-06 | 7.00E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.35E-06 | 4.05E-06 | 3.63E-06 | 3.11E-06 | 3.20E-06 | 3.50E-06 | 4.32E-06 | 3.72E-06 | 4.20E-06 | 4.20E-06 | 7.00E-06 |
| SPLEEN | G | 4.27E-05 | 1.27E-06 | 6.53E-05 | 8.87E-06 | 7.17E-06 | 5.33E-06 | 6.61E-05 | 5.74E-06 | 1.54E-05 | 1.54E-05 | 1.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.27E-05 | 1.27E-06 | 6.53E-05 | 8.87E-06 | 7.17E-06 | 5.33E-06 | 6.61E-05 | 5.74E-06 | 1.54E-05 | 1.54E-05 | 1.10E-05 |
| TESTES | G | 4.09E-07 | 3.05E-05 | 4.36E-07 | 2.26E-06 | 2.81E-06 | 1.08E-05 | 8.27E-07 | 9.03E-07 | 1.52E-07 | 1.52E-07 | 8.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.09E-07 | 3.05E-05 | 4.36E-07 | 2.26E-06 | 2.81E-06 | 1.08E-05 | 8.27E-07 | 9.03E-07 | 1.52E-07 | 1.52E-07 | 8.37E-06 |
| THYMUS | G | 4.23E-06 | 1.95E-07 | 2.53E-06 | 7.70E-07 | 8.38E-07 | 3.38E-07 | 1.44E-06 | 5.78E-06 | 2.57E-05 | 2.57E-05 | 1.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.23E-06 | 1.95E-07 | 2.53E-06 | 7.70E-07 | 8.38E-07 | 3.38E-07 | 1.44E-06 | 5.78E-06 | 2.57E-05 | 2.57E-05 | 1.42E-05 |
| THYROID | G | 1.07E-06 | 6.51E-08 | 8.37E-07 | 2.40E-07 | 2.55E-07 | 1.15E-07 | 5.36E-07 | 9.96E-07 | 6.91E-06 | 6.91E-06 | 1.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.07E-06 | 6.51E-08 | 8.37E-07 | 2.40E-07 | 2.55E-07 | 1.15E-07 | 5.36E-07 | 9.96E-07 | 6.91E-06 | 6.91E-06 | 1.16E-05 |
| UTERUS | G | 2.24E-06 | 1.12E-04 | 4.85E-06 | 6.25E-05 | 2.79E-05 | 3.57E-05 | 4.43E-06 | 2.20E-06 | 5.54E-07 | 5.54E-07 | 1.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.24E-06 | 1.12E-04 | 4.85E-06 | 6.25E-05 | 2.79E-05 | 3.57E-05 | 4.43E-06 | 2.20E-06 | 5.54E-07 | 5.54E-07 | 1.74E-05 |
| T BODY | G | 1.38E-05 | 1.49E-05 | 1.44E-05 | 1.55E-05 | 1.53E-05 | 1.53E-05 | 1.38E-05 | 1.40E-05 | 1.26E-05 | 1.26E-05 | 1.17E-05 |
| | B | 1.96E-04 | 2.21E-05 | 5.89E-05 | 1.57E-04 | 9.37E-05 | 1.16E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 |
| | T | 2.10E-04 | 3.70E-05 | 7.33E-05 | 1.73E-04 | 1.09E-04 | 1.32E-04 | 2.10E-04 | 2.10E-04 | 2.09E-04 | 2.09E-04 | 2.08E-04 |

CONTINUED NEXT PAGE

52-TELLURIUM-129M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.06E-05 | 5.22E-05 | 1.04E-05 | 1.04E-05 | 1.44E-05 | 5.61E-06 | 4.63E-06 | 4.45E-05 | 4.09E-07 | 1.07E-06 | 1.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 3.06E-06 | 5.22E-05 | 1.04E-05 | 1.04E-05 | 1.44E-05 | 5.61E-06 | 4.63E-06 | 4.45E-05 | 4.09E-07 | 1.07E-06 | 2.11E-04 |
| BLAD WALL | G | 4.34E-05 | 8.69E-07 | 3.01E-06 | 3.01E-06 | 5.00E-06 | 1.69E-06 | 4.23E-06 | 1.20E-06 | 3.22E-05 | 6.55E-08 | 1.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 4.34E-05 | 8.69E-07 | 3.01E-06 | 3.01E-06 | 5.00E-06 | 1.69E-06 | 4.23E-06 | 1.20E-06 | 3.22E-05 | 6.55E-08 | 2.11E-04 |
| GI TRACT S WALL | G | 4.33E-06 | 1.44E-04 | 3.28E-06 | 3.28E-06 | 5.99E-06 | 4.51E-06 | 4.08E-06 | 6.64E-05 | 5.34E-07 | 6.89E-07 | 1.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 4.33E-06 | 1.44E-04 | 3.28E-06 | 3.28E-06 | 5.99E-06 | 4.51E-06 | 4.08E-06 | 6.64E-05 | 5.34E-07 | 6.89E-07 | 2.10E-04 |
| SI+CONT | G | 9.28E-05 | 9.76E-06 | 4.81E-06 | 4.81E-06 | 1.58E-05 | 6.23E-06 | 3.25E-06 | 7.65E-06 | 2.80E-06 | 1.10E-07 | 1.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 9.28E-05 | 9.76E-06 | 4.81E-06 | 4.81E-06 | 1.58E-05 | 6.23E-06 | 3.25E-06 | 7.65E-06 | 2.80E-06 | 1.10E-07 | 2.12E-04 |
| ULI WALL | G | 9.58E-05 | 1.21E-05 | 4.29E-06 | 4.29E-06 | 1.23E-05 | 5.10E-06 | 3.60E-06 | 7.90E-06 | 1.89E-06 | 1.29E-07 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 9.58E-05 | 1.21E-05 | 4.29E-06 | 4.29E-06 | 1.23E-05 | 5.10E-06 | 3.60E-06 | 7.90E-06 | 1.89E-06 | 1.29E-07 | 2.12E-04 |
| LLI WALL | G | 1.27E-04 | 2.92E-06 | 6.39E-06 | 6.39E-06 | 2.02E-05 | 5.39E-06 | 3.57E-06 | 3.61E-06 | 1.56E-05 | 9.76E-08 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 1.27E-04 | 2.92E-06 | 6.39E-06 | 6.39E-06 | 2.02E-05 | 5.39E-06 | 3.57E-06 | 3.61E-06 | 1.56E-05 | 9.76E-08 | 2.12E-04 |
| KIDNEYS | G | 5.98E-06 | 3.94E-05 | 5.95E-06 | 5.95E-06 | 1.39E-05 | 7.07E-06 | 4.92E-06 | 6.60E-05 | 6.34E-07 | 4.13E-07 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 5.98E-06 | 3.94E-05 | 5.95E-06 | 5.95E-06 | 1.39E-05 | 7.07E-06 | 4.92E-06 | 6.60E-05 | 6.34E-07 | 4.13E-07 | 2.10E-04 |
| LIVER | G | 3.34E-06 | 2.62E-05 | 4.26E-06 | 4.26E-06 | 5.75E-06 | 6.70E-06 | 4.10E-06 | 5.74E-06 | 3.87E-07 | 9.05E-07 | 1.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 3.34E-06 | 2.62E-05 | 4.26E-06 | 4.26E-06 | 5.75E-06 | 6.70E-06 | 4.10E-06 | 5.74E-06 | 3.87E-07 | 9.05E-07 | 2.10E-04 |
| LUNGS | G | 6.89E-07 | 1.49E-05 | 6.18E-06 | 6.18E-06 | 7.47E-06 | 6.63E-06 | 4.44E-06 | 1.54E-05 | 1.08E-07 | 6.10E-06 | 1.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 6.89E-07 | 1.49E-05 | 6.18E-06 | 6.18E-06 | 7.47E-06 | 6.63E-06 | 4.44E-06 | 1.54E-05 | 1.08E-07 | 6.10E-06 | 2.09E-04 |
| RESP LYM NODE | G | 6.89E-07 | 1.49E-05 | 6.18E-06 | 6.18E-06 | 7.47E-06 | 6.63E-06 | 4.44E-06 | 1.54E-05 | 1.08E-07 | 6.10E-06 | 1.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 6.89E-07 | 1.49E-05 | 6.18E-06 | 6.18E-06 | 7.47E-06 | 6.63E-06 | 4.44E-06 | 1.54E-05 | 1.08E-07 | 6.10E-06 | 2.09E-04 |
| MUSCLE* | G | 1.49E-05 | 1.37E-05 | 6.81E-06 | 6.81E-06 | 8.14E-06 | 6.56E-06 | 7.00E-06 | 1.10E-05 | 8.37E-06 | 1.16E-05 | 1.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 1.49E-05 | 1.37E-05 | 6.81E-06 | 6.81E-06 | 8.14E-06 | 6.56E-06 | 7.00E-06 | 1.10E-05 | 8.37E-06 | 1.16E-05 | 2.08E-04 |
| OVARIES | G | 1.15E-02 | 3.40E-06 | 6.59E-06 | 6.59E-06 | 1.85E-05 | 5.12E-06 | 2.50E-06 | 4.40E-06 | 1.80E-46 | 1.16E-07 | 1.30E-05 |
| | B | 1.25E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 1.26E 00 | 3.40E-06 | 6.59E-06 | 6.59E-06 | 1.85E-05 | 5.12E-06 | 2.50E-06 | 4.40E-06 | 1.80E-46 | 1.16E-07 | 2.09E-04 |

52-TELLURIUM-129M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.74E-06 | 2.83E-03 | 5.37E-06 | 5.37E-06 | 8.33E-06 | 6.61E-06 | 3.12E-06 | 1.64E-04 | 3.44E-07 | 3.34E-07 | 1.40E-05 |
| | B | 0.0 | 1.37E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 3.74E-06 | 1.40E-01 | 5.37E-06 | 5.37E-06 | 8.33E-06 | 6.61E-06 | 3.12E-06 | 1.64E-04 | 3.44E-07 | 3.34E-07 | 2.10E-04 |
| SKELETON BONE | G | 7.25E-06 | 6.30E-06 | 4.68E-05 | 4.68E-05 | 3.00E-05 | 3.63E-05 | 7.67E-06 | 5.89E-06 | 3.78E-06 | 4.82E-06 | 1.54E-05 |
| | B | 0.0 | 0.0 | 2.75E-03 | 1.74E-03 | 6.74E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 7.25E-06 | 6.30E-06 | 2.79E-03 | 1.78E-03 | 7.04E-04 | 3.63E-05 | 7.67E-06 | 5.89E-06 | 3.78E-06 | 4.82E-06 | 2.12E-04 |
| R MARROW | G | 2.61E-05 | 1.17E-05 | 4.29E-05 | 4.29E-05 | 1.14E-04 | 3.70E-05 | 7.06E-06 | 7.84E-06 | 2.91E-06 | 5.11E-06 | 1.72E-05 |
| | B | 0.0 | 0.0 | 1.22E-04 | 3.37E-03 | 6.59E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 2.61E-05 | 1.17E-05 | 1.65E-04 | 3.41E-03 | 6.70E-03 | 3.70E-05 | 7.06E-06 | 7.84E-06 | 2.91E-06 | 5.11E-06 | 2.13E-04 |
| Y MARROW | G | 9.84E-06 | 7.21E-06 | 4.26E-05 | 4.26E-05 | 4.05E-05 | 7.21E-05 | 8.70E-06 | 8.89E-06 | 1.56E-06 | 2.54E-06 | 1.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.16E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 9.84E-06 | 7.21E-06 | 4.26E-05 | 4.26E-05 | 4.05E-05 | 9.23E-03 | 8.70E-06 | 8.89E-06 | 1.56E-06 | 2.54E-06 | 2.11E-04 |
| T E CL | G | 7.25E-06 | 6.30E-06 | 4.60E-05 | 4.60E-05 | 4.54E-05 | 4.34E-05 | 7.67E-06 | 5.89E-06 | 3.78E-06 | 4.82E-06 | 1.55E-05 |
| | B | 0.0 | 0.0 | 1.70E-03 | 2.83E-03 | 2.69E-03 | 2.29E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 7.25E-06 | 6.30E-06 | 1.74E-03 | 2.88E-03 | 2.73E-03 | 2.33E-03 | 7.67E-06 | 5.89E-06 | 3.78E-06 | 4.82E-06 | 2.12E-04 |
| SKIN | G | 2.98E-06 | 2.93E-06 | 5.35E-06 | 5.35E-06 | 4.64E-06 | 6.17E-06 | 2.58E-05 | 3.82E-06 | 1.37E-05 | 6.50E-06 | 7.19E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.28E-03 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 2.98E-06 | 2.93E-06 | 5.35E-06 | 5.35E-06 | 4.64E-06 | 6.17E-06 | 5.31E-03 | 3.82E-06 | 1.37E-05 | 6.50E-06 | 2.03E-04 |
| SPLEEN | G | 3.47E-06 | 1.61E-04 | 5.17E-06 | 5.17E-06 | 5.23E-06 | 6.17E-06 | 4.23E-06 | 1.59E-03 | 5.38E-07 | 8.50E-07 | 1.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.63E-02 | 0.0 | 0.0 | 1.96E-04 |
| | T | 3.47E-06 | 1.61E-04 | 5.17E-06 | 5.17E-06 | 5.23E-06 | 6.17E-06 | 4.23E-06 | 7.79E-02 | 5.38E-07 | 8.50E-07 | 2.11E-04 |
| TESTES | G | 1.80E-46 | 4.63E-07 | 3.45E-06 | 3.45E-06 | 2.36E-06 | 5.29E-06 | 8.11E-06 | 5.40E-07 | 4.80E-03 | 2.60E-08 | 1.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.92E-01 | 0.0 | 1.96E-04 |
| | T | 1.80E-46 | 4.63E-07 | 3.45E-06 | 3.45E-06 | 2.36E-06 | 5.29E-06 | 8.11E-06 | 5.40E-07 | 3.97E-01 | 2.60E-08 | 2.09E-04 |
| THYMUS | G | 3.56E-07 | 2.77E-06 | 4.43E-06 | 4.43E-06 | 3.28E-06 | 2.89E-06 | 4.73E-06 | 3.00E-06 | 7.48E-08 | 2.50E-05 | 1.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 3.56E-07 | 2.77E-06 | 4.43E-06 | 4.43E-06 | 3.28E-06 | 2.89E-06 | 4.73E-06 | 3.00E-06 | 7.48E-08 | 2.50E-05 | 2.09E-04 |
| THYROID | G | 1.16E-07 | 6.39E-07 | 5.09E-06 | 5.09E-06 | 5.12E-06 | 3.18E-06 | 5.91E-06 | 8.15E-07 | 2.60E-08 | 6.81E-03 | 1.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.87E-01 | 1.96E-04 |
| | T | 1.16E-07 | 6.39E-07 | 5.09E-06 | 5.09E-06 | 5.12E-06 | 3.18E-06 | 5.91E-06 | 8.15E-07 | 2.60E-08 | 6.94E-01 | 2.08E-04 |
| UTERUS | G | 1.38E-04 | 3.24E-06 | 4.14E-06 | 4.14E-06 | 1.02E-05 | 3.85E-06 | 3.59E-06 | 2.78E-06 | 1.80E-46 | 1.11E-07 | 1.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-04 |
| | T | 1.38E-04 | 3.24E-06 | 4.14E-06 | 4.14E-06 | 1.02E-05 | 3.85E-06 | 3.59E-06 | 2.78E-06 | 1.80E-46 | 1.11E-07 | 2.12E-04 |
| T BODY | G | 1.58E-05 | 1.56E-05 | 1.26E-05 | 1.26E-05 | 1.35E-05 | 1.17E-05 | 7.51E-06 | 1.40E-05 | 1.16E-05 | 1.13E-05 | 1.22E-05 |
| | B | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 | 1.96E-04 |
| | T | 2.12E-04 | 2.12E-04 | 2.09E-04 | 2.09E-04 | 2.10E-04 | 2.08E-04 | 2.04E-04 | 2.10E-04 | 2.08E-04 | 2.08E-04 | 2.08E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-DICKINSON, W. C. ET AL., NUCL. PHYS. A123, 481 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 52-TELLURIUM-129 (TR=7.000E 01 MIN)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 7.95E-03 | 2.40E-06 | 2.35E-05 | 1.33E-05 | 1.10E-05 | 5.11E-06 | 1.46E-04 | 5.63E-05 | 2.65E-05 | 2.65E-05 | 1.84E-05 |
| | B | 1.97E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.98E 00 | 2.40E-06 | 2.35E-05 | 1.33E-05 | 1.10E-05 | 5.11E-06 | 1.46E-04 | 5.63E-05 | 2.65E-05 | 2.65E-05 | 1.84E-05 |
| BLAD WALL | G | 1.43E-06 | 1.02E-03 | 4.49E-06 | 3.32E-05 | 2.11E-05 | 6.42E-05 | 4.06E-06 | 3.05E-06 | 7.77E-07 | 7.77E-07 | 2.05E-05 |
| | B | 0.0 | 6.90E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.43E-06 | 7.00E-02 | 4.49E-06 | 3.32E-05 | 2.11E-05 | 6.42E-05 | 4.06E-06 | 3.05E-06 | 7.77E-07 | 7.77E-07 | 2.05E-05 |
| GI TRACT S WALL | G | 3.15E-05 | 3.70E-06 | 7.10E-04 | 3.87E-05 | 4.21E-05 | 1.92E-05 | 3.60E-05 | 2.06E-05 | 2.09E-05 | 2.09E-05 | 1.62E-05 |
| | B | 0.0 | 0.0 | 5.52E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.15E-05 | 3.70E-06 | 5.59E-02 | 3.87E-05 | 4.21E-05 | 1.92E-05 | 3.60E-05 | 2.06E-05 | 2.09E-05 | 2.09E-05 | 1.62E-05 |
| SI+CONT | G | 9.90E-06 | 2.85E-05 | 2.83E-05 | 4.21E-04 | 2.02E-04 | 1.10E-04 | 2.99E-05 | 1.71E-05 | 2.88E-06 | 2.88E-06 | 1.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 3.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.90E-06 | 2.85E-05 | 2.83E-05 | 3.49E-02 | 2.02E-04 | 1.10E-04 | 2.99E-05 | 1.71E-05 | 2.88E-06 | 2.88E-06 | 1.76E-05 |
| ULI WALL | G | 1.09E-05 | 2.43E-05 | 3.74E-05 | 3.10E-04 | 5.91E-04 | 5.06E-05 | 3.09E-05 | 2.77E-05 | 3.87E-06 | 3.87E-06 | 1.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 6.27E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.09E-05 | 2.43E-05 | 3.74E-05 | 3.10E-04 | 6.33E-02 | 5.06E-05 | 3.09E-05 | 2.77E-05 | 3.87E-06 | 3.87E-06 | 1.87E-05 |
| LLI WALL | G | 3.37E-06 | 7.92E-05 | 1.38E-05 | 8.58E-05 | 3.54E-05 | 7.23E-04 | 9.25E-06 | 3.19E-06 | 8.91E-07 | 8.91E-07 | 1.92E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.37E-06 | 7.92E-05 | 1.38E-05 | 8.58E-05 | 3.54E-05 | 1.03E-01 | 9.25E-06 | 3.19E-06 | 8.91E-07 | 8.91E-07 | 1.92E-05 |
| KIDNEYS | G | 1.39E-04 | 3.86E-06 | 3.58E-05 | 3.38E-05 | 2.95E-05 | 9.15E-06 | 1.10E-03 | 4.20E-05 | 1.08E-05 | 1.08E-05 | 1.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.90E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.39E-04 | 3.86E-06 | 3.58E-05 | 3.38E-05 | 2.95E-05 | 9.15E-06 | 9.01E-02 | 4.20E-05 | 1.08E-05 | 1.08E-05 | 1.68E-05 |
| LIVER | G | 5.59E-05 | 2.90E-06 | 2.16E-05 | 1.98E-05 | 2.72E-05 | 3.63E-06 | 4.38E-05 | 3.50E-04 | 2.77E-05 | 2.77E-05 | 1.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.53E-02 | 0.0 | 0.0 | 0.0 |
| | T | 5.59E-05 | 2.90E-06 | 2.16E-05 | 1.98E-05 | 2.72E-05 | 3.63E-06 | 4.38E-05 | 1.57E-02 | 2.77E-05 | 2.77E-05 | 1.28E-05 |
| LUNGS | G | 2.65E-05 | 5.43E-07 | 2.04E-05 | 3.41E-06 | 3.61E-06 | 1.16E-06 | 1.00E-05 | 2.85E-05 | 2.32E-04 | 2.32E-04 | 1.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.76E-02 | 2.76E-02 | 0.0 |
| | T | 2.65E-05 | 5.43E-07 | 2.04E-05 | 3.41E-06 | 3.61E-06 | 1.16E-06 | 1.00E-05 | 2.85E-05 | 2.78E-02 | 2.78E-02 | 1.62E-05 |
| RESP LYM NODE | G | 2.65E-05 | 5.43E-07 | 2.04E-05 | 3.41E-06 | 3.61E-06 | 1.16E-06 | 1.00E-05 | 2.85E-05 | 2.22E-04 | 2.32E-04 | 1.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.67E-02 | 1.84E 00 | 0.0 |
| | T | 2.65E-05 | 5.43E-07 | 2.04E-05 | 3.41E-06 | 3.61E-06 | 1.16E-06 | 1.00E-05 | 2.85E-05 | 2.70E-02 | 1.84E 00 | 1.62E-05 |
| MUSCLE* | G | 1.84E-05 | 2.05E-05 | 1.62E-05 | 1.76E-05 | 1.68E-05 | 1.92E-05 | 1.68E-05 | 1.28E-05 | 1.62E-05 | 1.62E-05 | 1.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.86E-04 |
| | T | 1.84E-05 | 2.05E-05 | 1.62E-05 | 1.76E-05 | 1.68E-05 | 1.92E-05 | 1.68E-05 | 1.28E-05 | 1.62E-05 | 1.62E-05 | 1.00E-03 |
| OVARIES | G | 5.60E-06 | 6.94E-05 | 6.92E-06 | 1.09E-04 | 1.36E-04 | 2.13E-04 | 1.30E-05 | 3.64E-06 | 1.59E-06 | 1.59E-06 | 2.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.60E-06 | 6.94E-05 | 6.92E-06 | 1.09E-04 | 1.36E-04 | 2.13E-04 | 1.30E-05 | 3.64E-06 | 1.59E-06 | 1.59E-06 | 2.35E-05 |

52-TELLURIUM-129 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 9.50E-05 | 2.83E-06 | 2.09E-04 | 2.17E-05 | 2.05E-05 | 7.75E-06 | 7.28E-05 | 5.03E-05 | 2.92E-05 | 2.92E-05 | 2.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.50E-05 | 2.83E-06 | 2.09E-04 | 2.17E-05 | 2.05E-05 | 7.75E-06 | 7.28E-05 | 5.03E-05 | 2.92E-05 | 2.92E-05 | 2.14E-05 |
| SKELETON BONE | G | 1.73E-05 | 6.48E-06 | 7.00E-06 | 9.47E-06 | 8.64E-06 | 1.38E-05 | 1.19E-05 | 8.99E-06 | 1.27E-05 | 1.27E-05 | 1.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.73E-05 | 6.48E-06 | 7.00E-06 | 9.47E-06 | 8.64E-06 | 1.38E-05 | 1.19E-05 | 8.99E-06 | 1.27E-05 | 1.27E-05 | 1.21E-05 |
| R MARROW | G | 3.04E-05 | 1.42E-05 | 1.18E-05 | 3.09E-05 | 2.69E-05 | 4.41E-05 | 3.04E-05 | 1.25E-05 | 1.58E-05 | 1.58E-05 | 1.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.04E-05 | 1.42E-05 | 1.18E-05 | 3.09E-05 | 2.69E-05 | 4.41E-05 | 3.04E-05 | 1.25E-05 | 1.58E-05 | 1.58E-05 | 1.78E-05 |
| Y MARROW | G | 1.67E-05 | 6.00E-06 | 9.75E-06 | 1.31E-05 | 1.23E-05 | 1.74E-05 | 1.47E-05 | 1.34E-05 | 1.35E-05 | 1.35E-05 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.67E-05 | 6.00E-06 | 9.75E-06 | 1.31E-05 | 1.23E-05 | 1.74E-05 | 1.47E-05 | 1.34E-05 | 1.35E-05 | 1.35E-05 | 1.45E-05 |
| T E CL | G | 1.73E-05 | 6.48E-06 | 7.00E-06 | 9.47E-06 | 8.64E-06 | 1.38E-05 | 1.19E-05 | 8.99E-06 | 1.27E-05 | 1.27E-05 | 1.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.73E-05 | 6.48E-06 | 7.00E-06 | 9.47E-06 | 8.64E-06 | 1.38E-05 | 1.19E-05 | 8.99E-06 | 1.27E-05 | 1.27E-05 | 1.21E-05 |
| SKIN | G | 7.49E-06 | 7.08E-06 | 6.35E-06 | 5.68E-06 | 5.85E-06 | 6.35E-06 | 7.34E-06 | 6.55E-06 | 7.37E-06 | 7.37E-06 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.49E-06 | 7.08E-06 | 6.35E-06 | 5.68E-06 | 5.85E-06 | 6.35E-06 | 7.34E-06 | 6.55E-06 | 7.37E-06 | 7.37E-06 | 1.07E-05 |
| SPLEEN | G | 7.24E-05 | 2.29E-06 | 1.09E-04 | 1.68E-05 | 1.36E-05 | 9.86E-06 | 1.01E-04 | 1.07E-05 | 2.49E-05 | 2.49E-05 | 1.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.24E-05 | 2.29E-06 | 1.09E-04 | 1.68E-05 | 1.36E-05 | 9.86E-06 | 1.01E-04 | 1.07E-05 | 2.49E-05 | 2.49E-05 | 1.73E-05 |
| TESTES | G | 7.45E-07 | 5.41E-05 | 6.00E-07 | 4.12E-06 | 5.16E-06 | 2.12E-05 | 1.57E-06 | 1.40E-06 | 2.64E-07 | 2.64E-07 | 1.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.45E-07 | 5.41E-05 | 6.00E-07 | 4.12E-06 | 5.16E-06 | 2.12E-05 | 1.57E-06 | 1.40E-06 | 2.64E-07 | 2.64E-07 | 1.40E-05 |
| THYMUS | G | 8.45E-06 | 3.42E-07 | 3.58E-06 | 1.46E-06 | 1.59E-06 | 6.15E-07 | 3.40E-06 | 1.19E-05 | 4.29E-05 | 4.29E-05 | 2.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.45E-06 | 3.42E-07 | 3.58E-06 | 1.46E-06 | 1.59E-06 | 6.15E-07 | 3.40E-06 | 1.19E-05 | 4.29E-05 | 4.29E-05 | 2.27E-05 |
| THYROID | G | 2.07E-06 | 1.07E-07 | 1.59E-06 | 4.25E-07 | 4.55E-07 | 1.97E-07 | 9.94E-07 | 2.02E-06 | 1.24E-05 | 1.24E-05 | 1.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.07E-06 | 1.07E-07 | 1.59E-06 | 4.25E-07 | 4.55E-07 | 1.97E-07 | 9.94E-07 | 2.02E-06 | 1.24E-05 | 1.24E-05 | 1.70E-05 |
| UTERUS | G | 7.10E-06 | 1.76E-04 | 9.40E-06 | 1.01E-04 | 4.97E-05 | 6.40E-05 | 9.20E-06 | 4.50E-06 | 1.10E-06 | 1.10E-06 | 2.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.10E-06 | 1.76E-04 | 9.40E-06 | 1.01E-04 | 4.97E-05 | 6.40E-05 | 9.20E-06 | 4.50E-06 | 1.10E-06 | 1.10E-06 | 2.52E-05 |
| T BODY | G | 2.07E-05 | 2.27E-05 | 2.17E-05 | 2.38E-05 | 2.32E-05 | 2.31E-05 | 2.07E-05 | 2.09E-05 | 1.83E-05 | 1.83E-05 | 1.76E-05 |
| | B | 3.94E-04 | 4.44E-05 | 1.18E-04 | 3.15E-04 | 1.88E-04 | 2.34E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 |
| | T | 4.15E-04 | 6.71E-05 | 1.40E-04 | 3.39E-04 | 2.11E-04 | 2.57E-04 | 4.15E-04 | 4.15E-04 | 4.13E-04 | 4.13E-04 | 4.12E-04 |

CONTINUED NEXT PAGE

52-TELLURIUM-129 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 5.91E-06 | 9.20E-05 | 1.82E-05 | 1.82E-05 | 2.32E-05 | 1.17E-05 | 7.99E-06 | 7.17E-05 | 7.45E-07 | 2.06E-06 | 2.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 5.91E-06 | 9.20E-05 | 1.82E-05 | 1.82E-05 | 2.32E-05 | 1.17E-05 | 7.99E-06 | 7.17E-05 | 7.45E-07 | 2.06E-06 | 4.19E-04 |
| BLAD WALL | G | 7.49E-05 | 1.91E-06 | 6.31E-06 | 6.31E-06 | 8.35E-06 | 3.13E-06 | 7.11E-06 | 1.87E-06 | 5.58E-05 | 1.08E-07 | 2.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 7.49E-05 | 1.91E-06 | 6.31E-06 | 6.31E-06 | 8.35E-06 | 3.13E-06 | 7.11E-06 | 1.87E-06 | 5.58E-05 | 1.08E-07 | 4.17E-04 |
| GI TRACT S WALL | G | 8.67E-06 | 2.12E-04 | 6.23E-06 | 6.23E-06 | 1.11E-05 | 8.11E-06 | 7.06E-06 | 1.11E-04 | 1.07E-06 | 1.25E-06 | 2.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 8.67E-06 | 2.12E-04 | 6.23E-06 | 6.23E-06 | 1.11E-05 | 8.11E-06 | 7.06E-06 | 1.11E-04 | 1.07E-06 | 1.25E-06 | 4.16E-04 |
| SI+CONT | G | 1.42E-04 | 1.88E-05 | 8.69E-06 | 8.69E-06 | 2.88E-05 | 1.14E-05 | 5.92E-06 | 1.48E-05 | 5.43E-06 | 1.60E-07 | 2.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 1.42E-04 | 1.88E-05 | 8.69E-06 | 8.69E-06 | 2.88E-05 | 1.14E-05 | 5.92E-06 | 1.48E-05 | 5.43E-06 | 1.60E-07 | 4.18E-04 |
| ULI WALL | G | 1.39E-04 | 2.30E-05 | 7.78E-06 | 7.78E-06 | 2.23E-05 | 9.51E-06 | 6.26E-06 | 1.47E-05 | 3.59E-06 | 1.87E-07 | 2.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 1.39E-04 | 2.30E-05 | 7.78E-06 | 7.78E-06 | 2.23E-05 | 9.51E-06 | 6.26E-06 | 1.47E-05 | 3.59E-06 | 1.87E-07 | 4.18E-04 |
| LLI WALL | G | 1.80E-04 | 5.77E-06 | 1.10E-05 | 1.10E-05 | 3.42E-05 | 9.43E-06 | 6.42E-06 | 7.14E-06 | 2.97E-05 | 1.66E-07 | 2.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 1.80E-04 | 5.77E-06 | 1.10E-05 | 1.10E-05 | 3.42E-05 | 9.43E-06 | 6.42E-06 | 7.14E-06 | 2.97E-05 | 1.66E-07 | 4.18E-04 |
| KIDNEYS | G | 1.16E-05 | 6.88E-05 | 1.03E-05 | 1.03E-05 | 2.55E-05 | 1.29E-05 | 8.30E-06 | 1.02E-04 | 1.10E-06 | 6.61E-07 | 2.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 1.16E-05 | 6.88E-05 | 1.03E-05 | 1.03E-05 | 2.55E-05 | 1.29E-05 | 8.30E-06 | 1.02E-04 | 1.10E-06 | 6.61E-07 | 4.15E-04 |
| LIVER | G | 6.47E-06 | 4.59E-05 | 7.67E-06 | 7.67E-06 | 1.08E-05 | 1.19E-05 | 7.26E-06 | 1.12E-05 | 6.38E-07 | 1.68E-06 | 2.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 6.47E-06 | 4.59E-05 | 7.67E-06 | 7.67E-06 | 1.08E-05 | 1.19E-05 | 7.26E-06 | 1.12E-05 | 6.38E-07 | 1.68E-06 | 4.15E-04 |
| LUNGS | G | 1.21E-06 | 2.64E-05 | 1.09E-05 | 1.09E-05 | 1.33E-05 | 1.13E-05 | 7.60E-06 | 2.52E-05 | 1.83E-07 | 1.13E-05 | 1.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 1.21E-06 | 2.64E-05 | 1.09E-05 | 1.09E-05 | 1.33E-05 | 1.13E-05 | 7.60E-06 | 2.52E-05 | 1.83E-07 | 1.13E-05 | 4.13E-04 |
| RESP LYM NODE | G | 1.21E-06 | 2.64E-05 | 1.09E-05 | 1.09E-05 | 1.33E-05 | 1.13E-05 | 7.60E-06 | 2.52E-05 | 1.83E-07 | 1.13E-05 | 1.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 1.21E-06 | 2.64E-05 | 1.09E-05 | 1.09E-05 | 1.33E-05 | 1.13E-05 | 7.60E-06 | 2.52E-05 | 1.83E-07 | 1.13E-05 | 4.13E-04 |
| MUSCLE* | G | 2.35E-05 | 2.14E-05 | 1.21E-05 | 1.21E-05 | 1.43E-05 | 1.13E-05 | 1.07E-05 | 1.73E-05 | 1.40E-05 | 1.70E-05 | 1.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 2.35E-05 | 2.14E-05 | 1.21E-05 | 1.21E-05 | 1.43E-05 | 1.13E-05 | 1.07E-05 | 1.73E-05 | 1.40E-05 | 1.70E-05 | 4.12E-04 |
| OVARIES | G | 1.34E-02 | 5.03E-06 | 1.12E-05 | 1.12E-05 | 3.51E-05 | 1.01E-05 | 4.15E-06 | 9.43E-06 | 2.35E-46 | 1.97E-07 | 2.05E-05 |
| | B | 2.51E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 2.52E 00 | 5.03E-06 | 1.12E-05 | 1.12E-05 | 3.51E-05 | 1.01E-05 | 4.15E-06 | 9.43E-06 | 2.35E-46 | 1.97E-07 | 4.15E-04 |

52-TELLURIUM-129 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 6.33E-06 | 3.38E-03 | 1.02E-05 | 1.02E-05 | 1.70E-05 | 1.34E-05 | 6.10E-06 | 2.38E-04 | 5.93E-07 | 8.75E-07 | 2.17E-05 |
| | B | 0.0 | 2.76E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 6.33E-06 | 2.79E-01 | 1.02E-05 | 1.02E-05 | 1.70E-05 | 1.34E-05 | 6.10E-06 | 2.38E-04 | 5.93E-07 | 8.75E-07 | 4.16E-04 |
| SKELETON BONE | G | 1.14E-05 | 1.07E-05 | 5.48E-05 | 5.48E-05 | 3.55E-05 | 4.13E-05 | 1.08E-05 | 9.33E-06 | 7.22E-06 | 8.49E-06 | 2.05E-05 |
| | B | 0.0 | 0.0 | 5.52E-03 | 3.34E-03 | 1.45E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 1.14E-05 | 1.07E-05 | 5.57E-03 | 3.40E-03 | 1.49E-03 | 4.13E-05 | 1.08E-05 | 9.33E-06 | 7.22E-06 | 8.49E-06 | 4.15E-04 |
| R MARROW | G | 3.93E-05 | 2.02E-05 | 4.92E-05 | 4.92E-05 | 1.28E-04 | 4.23E-05 | 1.01E-05 | 1.33E-05 | 5.70E-06 | 9.25E-06 | 2.28E-05 |
| | B | 0.0 | 0.0 | 2.59E-04 | 7.26E-03 | 1.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 3.93E-05 | 2.02E-05 | 3.08E-04 | 7.31E-03 | 1.30E-02 | 4.23E-05 | 1.01E-05 | 1.33E-05 | 5.70E-06 | 9.25E-06 | 4.17E-04 |
| Y MARROW | G | 1.53E-05 | 1.25E-05 | 4.83E-05 | 4.83E-05 | 4.60E-05 | 7.98E-05 | 1.18E-05 | 1.40E-05 | 3.03E-06 | 4.50E-06 | 1.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 1.53E-05 | 1.25E-05 | 4.83E-05 | 4.83E-05 | 4.60E-05 | 1.85E-02 | 1.18E-05 | 1.40E-05 | 3.03E-06 | 4.50E-06 | 4.14E-04 |
| T E CL | G | 1.14E-05 | 1.07E-05 | 5.39E-05 | 5.39E-05 | 5.26E-05 | 4.92E-05 | 1.08E-05 | 9.33E-06 | 7.22E-06 | 8.49E-06 | 2.05E-05 |
| | B | 0.0 | 0.0 | 3.44E-03 | 5.58E-03 | 5.48E-03 | 4.60E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 1.14E-05 | 1.07E-05 | 3.50E-03 | 5.64E-03 | 5.53E-03 | 4.65E-03 | 1.08E-05 | 9.33E-06 | 7.22E-06 | 8.49E-06 | 4.15E-04 |
| SKIN | G | 5.55E-06 | 5.39E-06 | 9.39E-06 | 9.39E-06 | 8.18E-06 | 1.06E-05 | 3.25E-05 | 6.75E-06 | 1.97E-05 | 1.02E-05 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-02 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 5.55E-06 | 5.39E-06 | 9.39E-06 | 9.39E-06 | 8.18E-06 | 1.06E-05 | 1.06E-02 | 6.75E-06 | 1.97E-05 | 1.02E-05 | 4.05E-04 |
| SPLEEN | G | 6.87E-06 | 2.35E-04 | 8.94E-06 | 8.94E-06 | 9.29E-06 | 1.11E-05 | 7.27E-06 | 1.96E-03 | 1.09E-06 | 1.49E-06 | 2.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.53E-01 | 0.0 | 0.0 | 3.94E-04 |
| | T | 6.87E-06 | 2.35E-04 | 8.94E-06 | 8.94E-06 | 9.29E-06 | 1.11E-05 | 7.27E-06 | 1.55E-01 | 1.09E-06 | 1.49E-06 | 4.16E-04 |
| TESTES | G | 2.35E-46 | 8.03E-07 | 6.41E-06 | 6.41E-06 | 4.30E-06 | 1.04E-05 | 1.14E-05 | 1.00E-06 | 5.72E-03 | 4.06E-08 | 2.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.88E-01 | 0.0 | 3.94E-04 |
| | T | 2.35E-46 | 8.03E-07 | 6.41E-06 | 6.41E-06 | 4.30E-06 | 1.04E-05 | 1.14E-05 | 1.00E-06 | 7.94E-01 | 4.06E-08 | 4.15E-04 |
| THYMUS | G | 6.45E-07 | 6.05E-06 | 7.74E-06 | 7.74E-06 | 5.91E-06 | 5.11E-06 | 8.80E-06 | 5.13E-06 | 1.24E-07 | 4.66E-05 | 2.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 6.45E-07 | 6.05E-06 | 7.74E-06 | 7.74E-06 | 5.91E-06 | 5.11E-06 | 8.80E-06 | 5.13E-06 | 1.24E-07 | 4.66E-05 | 4.14E-04 |
| THYROID | G | 1.97E-07 | 1.66E-06 | 1.07E-05 | 1.07E-05 | 9.37E-06 | 6.35E-06 | 9.52E-06 | 1.54E-06 | 4.07E-08 | 8.01E-03 | 1.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E 00 | 3.94E-04 |
| | T | 1.97E-07 | 1.66E-06 | 1.07E-05 | 1.07E-05 | 9.37E-06 | 6.35E-06 | 9.52E-06 | 1.54E-06 | 4.07E-08 | 1.39E 00 | 4.12E-04 |
| UTERUS | G | 2.17E-04 | 6.54E-06 | 6.90E-06 | 6.90E-06 | 2.04E-05 | 7.04E-06 | 6.15E-06 | 4.95E-06 | 2.35E-46 | 1.87E-07 | 2.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-04 |
| | T | 2.17E-04 | 6.54E-06 | 6.90E-06 | 6.90E-06 | 2.04E-05 | 7.04E-06 | 6.15E-06 | 4.95E-06 | 2.35E-46 | 1.87E-07 | 4.17E-04 |
| T BODY | G | 2.42E-05 | 2.38E-05 | 1.82E-05 | 1.82E-05 | 1.99E-05 | 1.65E-05 | 1.12E-05 | 2.09E-05 | 1.75E-05 | 1.64E-05 | 1.80E-05 |
| | B | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 | 3.94E-04 |
| | T | 4.18E-04 | 4.18E-04 | 4.12E-04 | 4.12E-04 | 4.14E-04 | 4.11E-04 | 4.05E-04 | 4.15E-04 | 4.12E-04 | 4.11E-04 | 4.12E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-DICKINSON, W. C. ET AL., NUCL. PHYS. A123, 481 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 52-TELLURIUM-131M (TR=3.000E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.09E-01 | 5.74E-05 | 5.43E-04 | 2.87E-04 | 2.67E-04 | 1.15E-04 | 2.82E-03 | 1.13E-03 | 5.35E-04 | 5.35E-04 | 3.57E-04 |
| | B | 9.23E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E 00 | 5.74E-05 | 5.43E-04 | 2.87E-04 | 2.67E-04 | 1.15E-04 | 2.82E-03 | 1.13E-03 | 5.35E-04 | 5.35E-04 | 3.57E-04 |
| BLAD WALL | G | 4.95E-05 | 1.66E-02 | 1.07E-04 | 6.19E-04 | 4.79E-04 | 1.28E-03 | 1.02E-04 | 5.60E-05 | 2.03E-05 | 2.03E-05 | 4.12E-04 |
| | B | 0.0 | 3.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.95E-05 | 4.89E-02 | 1.07E-04 | 6.19E-04 | 4.79E-04 | 1.28E-03 | 1.02E-04 | 5.60E-05 | 2.03E-05 | 2.03E-05 | 4.12E-04 |
| GI TRACT S WALL | G | 6.74E-04 | 1.09E-04 | 1.20E-02 | 8.10E-04 | 8.29E-04 | 3.85E-04 | 7.65E-04 | 4.55E-04 | 4.50E-04 | 4.50E-04 | 3.29E-04 |
| | B | 0.0 | 0.0 | 2.58E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.74E-04 | 1.09E-04 | 3.78E-02 | 8.10E-04 | 8.29E-04 | 3.85E-04 | 7.65E-04 | 4.55E-04 | 4.50E-04 | 4.50E-04 | 3.29E-04 |
| SI+CONT | G | 2.25E-04 | 6.29E-04 | 5.94E-04 | 7.06E-03 | 3.69E-03 | 2.07E-03 | 6.47E-04 | 3.72E-04 | 7.21E-05 | 7.21E-05 | 3.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.61E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.25E-04 | 6.29E-04 | 5.94E-04 | 2.32E-02 | 3.69E-03 | 2.07E-03 | 6.47E-04 | 3.72E-04 | 7.21E-05 | 7.21E-05 | 3.60E-04 |
| ULI WALL | G | 2.54E-04 | 4.84E-04 | 7.39E-04 | 5.28E-03 | 1.00E-02 | 9.44E-04 | 6.61E-04 | 5.63E-04 | 9.39E-05 | 9.39E-05 | 3.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.54E-04 | 4.84E-04 | 7.39E-04 | 5.28E-03 | 3.94E-02 | 9.44E-04 | 6.61E-04 | 5.63E-04 | 9.39E-05 | 9.39E-05 | 3.80E-04 |
| LLI WALL | G | 7.07E-05 | 1.58E-03 | 3.14E-04 | 1.59E-03 | 7.33E-04 | 1.18E-02 | 2.09E-04 | 6.95E-05 | 2.07E-05 | 2.07E-05 | 3.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.78E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.07E-05 | 1.58E-03 | 3.14E-04 | 1.59E-03 | 7.33E-04 | 5.97E-02 | 2.09E-04 | 6.95E-05 | 2.07E-05 | 2.07E-05 | 3.94E-04 |
| KIDNEYS | G | 2.60E-03 | 8.84E-05 | 7.61E-04 | 7.26E-04 | 6.52E-04 | 2.16E-04 | 1.67E-02 | 8.64E-04 | 2.33E-04 | 2.33E-04 | 3.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.60E-03 | 8.84E-05 | 7.61E-04 | 7.26E-04 | 6.52E-04 | 2.16E-04 | 5.84E-02 | 8.64E-04 | 2.33E-04 | 2.33E-04 | 3.36E-04 |
| LIVER | G | 1.11E-03 | 6.99E-05 | 4.64E-04 | 4.31E-04 | 5.80E-04 | 8.89E-05 | 8.95E-04 | 5.89E-03 | 5.55E-04 | 5.55E-04 | 2.62E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.18E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-03 | 6.99E-05 | 4.64E-04 | 4.31E-04 | 5.80E-04 | 8.89E-05 | 8.95E-04 | 1.31E-02 | 5.55E-04 | 5.55E-04 | 2.62E-04 |
| LUNGS | G | 5.52E-04 | 1.71E-05 | 4.16E-04 | 8.00E-05 | 9.13E-05 | 3.47E-05 | 2.27E-04 | 5.68E-04 | 3.36E-03 | 3.36E-03 | 3.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.29E-02 | 1.29E-02 | 0.0 |
| | T | 5.52E-04 | 1.71E-05 | 4.16E-04 | 8.00E-05 | 9.13E-05 | 3.47E-05 | 2.27E-04 | 5.68E-04 | 1.63E-02 | 1.63E-02 | 3.11E-04 |
| RESP LYM NODE | G | 5.52E-04 | 1.71E-05 | 4.16E-04 | 8.00E-05 | 9.13E-05 | 3.47E-05 | 2.27E-04 | 5.68E-04 | 3.36E-03 | 3.36E-03 | 3.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28E-02 | 8.61E-01 | 0.0 |
| | T | 5.52E-04 | 1.71E-05 | 4.16E-04 | 8.00E-05 | 9.13E-05 | 3.47E-05 | 2.27E-04 | 5.68E-04 | 1.62E-02 | 8.65E-01 | 3.11E-04 |
| MUSCLE* | G | 3.57E-04 | 4.12E-04 | 3.30E-04 | 3.60E-04 | 3.45E-04 | 3.94E-04 | 3.36E-04 | 2.62E-04 | 3.11E-04 | 3.11E-04 | 3.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-04 |
| | T | 3.57E-04 | 4.12E-04 | 3.30E-04 | 3.60E-04 | 3.45E-04 | 3.94E-04 | 3.36E-04 | 2.62E-04 | 3.11E-04 | 3.11E-04 | 8.17E-04 |
| OVARIES | G | 1.20E-04 | 1.26E-03 | 2.53E-04 | 2.23E-03 | 2.16E-03 | 3.92E-03 | 3.31E-04 | 1.42E-04 | 3.89E-05 | 3.89E-05 | 4.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.20E-04 | 1.26E-03 | 2.53E-04 | 2.23E-03 | 2.16E-03 | 3.92E-03 | 3.31E-04 | 1.42E-04 | 3.89E-05 | 3.89E-05 | 4.61E-04 |

52-TELLURIUM-131M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.00E-03 | 6.90E-05 | 3.90E-03 | 4.66E-04 | 4.76E-04 | 1.72E-04 | 1.54E-03 | 9.96E-04 | 5.59E-04 | 5.59E-04 | 4.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.00E-03 | 6.90E-05 | 3.90E-03 | 4.66E-04 | 4.76E-04 | 1.72E-04 | 1.54E-03 | 9.96E-04 | 5.59E-04 | 5.59E-04 | 4.15E-04 |
| SKELETON BONE | G | 3.23E-04 | 1.36E-04 | 1.41E-04 | 1.88E-04 | 1.68E-04 | 2.46E-04 | 2.31E-04 | 1.73E-04 | 2.36E-04 | 2.36E-04 | 2.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.23E-04 | 1.36E-04 | 1.41E-04 | 1.88E-04 | 1.68E-04 | 2.46E-04 | 2.31E-04 | 1.73E-04 | 2.36E-04 | 2.36E-04 | 2.60E-04 |
| R MARROW | G | 5.74E-04 | 2.88E-04 | 2.39E-04 | 5.87E-04 | 4.97E-04 | 7.35E-04 | 5.83E-04 | 2.47E-04 | 2.99E-04 | 2.99E-04 | 3.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.74E-04 | 2.88E-04 | 2.39E-04 | 5.87E-04 | 4.97E-04 | 7.35E-04 | 5.83E-04 | 2.47E-04 | 2.99E-04 | 2.99E-04 | 3.20E-04 |
| Y MARROW | G | 3.14E-04 | 1.26E-04 | 1.96E-04 | 2.59E-04 | 2.38E-04 | 3.03E-04 | 2.86E-04 | 2.57E-04 | 2.48E-04 | 2.48E-04 | 2.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.14E-04 | 1.26E-04 | 1.96E-04 | 2.59E-04 | 2.38E-04 | 3.03E-04 | 2.86E-04 | 2.57E-04 | 2.48E-04 | 2.48E-04 | 2.60E-04 |
| T E CL | G | 3.23E-04 | 1.36E-04 | 1.41E-04 | 1.88E-04 | 1.68E-04 | 2.46E-04 | 2.31E-04 | 1.73E-04 | 2.36E-04 | 2.36E-04 | 2.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.23E-04 | 1.36E-04 | 1.41E-04 | 1.88E-04 | 1.68E-04 | 2.46E-04 | 2.31E-04 | 1.73E-04 | 2.36E-04 | 2.36E-04 | 2.60E-04 |
| SKIN | G | 1.67E-04 | 1.60E-04 | 1.43E-04 | 1.32E-04 | 1.31E-04 | 1.45E-04 | 1.57E-04 | 1.46E-04 | 1.61E-04 | 1.61E-04 | 2.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.67E-04 | 1.60E-04 | 1.43E-04 | 1.32E-04 | 1.31E-04 | 1.45E-04 | 1.57E-04 | 1.46E-04 | 1.61E-04 | 1.61E-04 | 2.19E-04 |
| SPLEEN | G | 1.43E-03 | 6.00E-05 | 2.19E-03 | 3.68E-04 | 3.15E-04 | 2.36E-04 | 1.93E-03 | 2.51E-04 | 5.02E-04 | 5.02E-04 | 3.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.43E-03 | 6.00E-05 | 2.19E-03 | 3.68E-04 | 3.15E-04 | 2.36E-04 | 1.93E-03 | 2.51E-04 | 5.02E-04 | 5.02E-04 | 3.44E-04 |
| TESTES | G | 1.98E-05 | 1.12E-03 | 2.94E-05 | 1.15E-04 | 1.24E-04 | 4.04E-04 | 3.88E-05 | 4.51E-05 | 7.75E-06 | 7.75E-06 | 2.95E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.98E-05 | 1.12E-03 | 2.94E-05 | 1.15E-04 | 1.24E-04 | 4.04E-04 | 3.88E-05 | 4.51E-05 | 7.75E-06 | 7.75E-06 | 2.95E-04 |
| THYMUS | G | 1.65E-04 | 9.85E-06 | 1.43E-04 | 3.61E-05 | 3.92E-05 | 1.64E-05 | 4.96E-05 | 2.17E-04 | 9.45E-04 | 9.45E-04 | 3.89E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.65E-04 | 9.85E-06 | 1.43E-04 | 3.61E-05 | 3.92E-05 | 1.64E-05 | 4.96E-05 | 2.17E-04 | 9.45E-04 | 9.45E-04 | 3.89E-04 |
| THYROID | G | 5.05E-05 | 3.55E-06 | 3.92E-05 | 1.19E-05 | 1.26E-05 | 5.95E-06 | 2.56E-05 | 4.74E-05 | 2.91E-04 | 2.91E-04 | 3.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.05E-05 | 3.55E-06 | 3.92E-05 | 1.19E-05 | 1.26E-05 | 5.95E-06 | 2.56E-05 | 4.74E-05 | 2.91E-04 | 2.91E-04 | 3.21E-04 |
| UTERUS | G | 1.34E-04 | 3.39E-03 | 2.20E-04 | 1.97E-03 | 1.09E-03 | 1.32E-03 | 2.05E-04 | 1.03E-04 | 3.08E-05 | 3.08E-05 | 5.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-04 | 3.39E-03 | 2.20E-04 | 1.97E-03 | 1.09E-03 | 1.32E-03 | 2.05E-04 | 1.03E-04 | 3.08E-05 | 3.08E-05 | 5.52E-04 |
| T BODY | G | 3.93E-04 | 4.33E-04 | 4.14E-04 | 4.54E-04 | 4.45E-04 | 4.42E-04 | 3.95E-04 | 3.96E-04 | 3.38E-04 | 3.38E-04 | 3.38E-04 |
| | B | 1.85E-04 | 2.08E-05 | 5.54E-05 | 1.48E-04 | 8.81E-05 | 1.09E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 |
| | T | 5.77E-04 | 4.54E-04 | 4.69E-04 | 6.02E-04 | 5.33E-04 | 5.51E-04 | 5.80E-04 | 5.81E-04 | 5.22E-04 | 5.22E-04 | 5.23E-04 |

CONTINUED NEXT PAGE

52-TELLURIUM-131M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.31E-04 | 1.72E-03 | 4.12E-04 | 4.12E-04 | 5.79E-04 | 1.96E-04 | 1.88E-04 | 1.56E-03 | 1.98E-05 | 4.99E-05 | 4.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 1.31E-04 | 1.72E-03 | 4.12E-04 | 4.12E-04 | 5.79E-04 | 1.96E-04 | 1.88E-04 | 1.56E-03 | 1.98E-05 | 4.99E-05 | 6.62E-04 |
| BLAD WALL | G | 1.59E-03 | 4.34E-05 | 1.26E-04 | 1.26E-04 | 2.28E-04 | 7.66E-05 | 1.73E-04 | 6.58E-05 | 1.19E-03 | 3.57E-06 | 4.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 1.59E-03 | 4.34E-05 | 1.26E-04 | 1.26E-04 | 2.28E-04 | 7.66E-05 | 1.73E-04 | 6.58E-05 | 1.19E-03 | 3.57E-06 | 6.37E-04 |
| GI TRACT S WALL | G | 1.93E-04 | 3.93E-03 | 1.32E-04 | 1.32E-04 | 2.61E-04 | 1.78E-04 | 1.54E-04 | 2.20E-03 | 2.30E-05 | 3.14E-05 | 3.95E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 1.93E-04 | 3.93E-03 | 1.32E-04 | 1.32E-04 | 2.61E-04 | 1.78E-04 | 1.54E-04 | 2.20E-03 | 2.30E-05 | 3.14E-05 | 5.80E-04 |
| SI+CONT | G | 2.64E-03 | 4.19E-04 | 1.92E-04 | 1.92E-04 | 6.05E-04 | 2.42E-04 | 1.37E-04 | 3.28E-04 | 1.26E-04 | 7.69E-06 | 4.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 2.64E-03 | 4.19E-04 | 1.92E-04 | 1.92E-04 | 6.05E-04 | 2.42E-04 | 1.37E-04 | 3.28E-04 | 1.26E-04 | 7.69E-06 | 6.40E-04 |
| ULI WALL | G | 2.49E-03 | 5.07E-04 | 1.78E-04 | 1.78E-04 | 4.55E-04 | 2.07E-04 | 1.46E-04 | 3.29E-04 | 9.47E-05 | 8.58E-06 | 4.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 2.49E-03 | 5.07E-04 | 1.78E-04 | 1.78E-04 | 4.55E-04 | 2.07E-04 | 1.46E-04 | 3.29E-04 | 9.47E-05 | 8.58E-06 | 6.21E-04 |
| LLI WALL | G | 3.18E-03 | 1.33E-04 | 2.41E-04 | 2.41E-04 | 7.01E-04 | 1.99E-04 | 1.50E-04 | 1.54E-04 | 5.81E-04 | 5.12E-06 | 4.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 3.18E-03 | 1.33E-04 | 2.41E-04 | 2.41E-04 | 7.01E-04 | 1.99E-04 | 1.50E-04 | 1.54E-04 | 5.81E-04 | 5.12E-06 | 6.46E-04 |
| KIDNEYS | G | 2.59E-04 | 1.41E-03 | 2.50E-04 | 2.50E-04 | 5.58E-04 | 2.74E-04 | 1.79E-04 | 1.93E-03 | 3.11E-05 | 2.43E-05 | 4.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 2.59E-04 | 1.41E-03 | 2.50E-04 | 2.50E-04 | 5.58E-04 | 2.74E-04 | 1.79E-04 | 1.93E-03 | 3.11E-05 | 2.43E-05 | 5.97E-04 |
| LIVER | G | 1.52E-04 | 9.38E-04 | 1.70E-04 | 1.70E-04 | 2.37E-04 | 2.58E-04 | 1.59E-04 | 2.51E-04 | 2.14E-05 | 4.43E-05 | 4.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 1.52E-04 | 9.38E-04 | 1.70E-04 | 1.70E-04 | 2.37E-04 | 2.58E-04 | 1.59E-04 | 2.51E-04 | 2.14E-05 | 4.43E-05 | 5.96E-04 |
| LUNGS | G | 3.40E-05 | 5.42E-04 | 2.33E-04 | 2.33E-04 | 2.85E-04 | 2.39E-04 | 1.66E-04 | 5.01E-04 | 6.27E-06 | 2.59E-04 | 3.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 3.40E-05 | 5.42E-04 | 2.33E-04 | 2.33E-04 | 2.85E-04 | 2.39E-04 | 1.66E-04 | 5.01E-04 | 6.27E-06 | 2.59E-04 | 5.22E-04 |
| RESP LYM NODE | G | 3.40E-05 | 5.42E-04 | 2.33E-04 | 2.33E-04 | 2.85E-04 | 2.39E-04 | 1.66E-04 | 5.01E-04 | 6.27E-06 | 2.59E-04 | 3.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 3.40E-05 | 5.42E-04 | 2.33E-04 | 2.33E-04 | 2.85E-04 | 2.39E-04 | 1.66E-04 | 5.01E-04 | 6.27E-06 | 2.59E-04 | 5.22E-04 |
| MUSCLE* | G | 4.61E-04 | 4.15E-04 | 2.60E-04 | 2.60E-04 | 3.06E-04 | 2.40E-04 | 2.19E-04 | 3.44E-04 | 2.95E-04 | 3.21E-04 | 3.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 4.61E-04 | 4.15E-04 | 2.60E-04 | 2.60E-04 | 3.06E-04 | 2.40E-04 | 2.19E-04 | 3.44E-04 | 2.95E-04 | 3.21E-04 | 5.23E-04 |
| OVARIES | G | 1.77E-01 | 1.80E-04 | 2.27E-04 | 2.27E-04 | 6.99E-04 | 2.23E-04 | 1.24E-04 | 1.56E-04 | 1.02E-46 | 6.07E-06 | 3.67E-04 |
| | B | 1.17E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 1.35E 00 | 1.80E-04 | 2.27E-04 | 2.27E-04 | 6.99E-04 | 2.23E-04 | 1.24E-04 | 1.56E-04 | 1.02E-46 | 6.07E-06 | 5.52E-04 |

52-TELLURIUM-131M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.74E-04 | 4.91E-02 | 2.34E-04 | 2.34E-04 | 3.18E-04 | 2.61E-04 | 1.26E-04 | 4.28E-03 | 2.22E-05 | 2.58E-05 | 4.12E-04 |
| | B | 0.0 | 1.29E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 1.74E-04 | 1.78E-01 | 2.34E-04 | 2.34E-04 | 3.18E-04 | 2.61E-04 | 1.26E-04 | 4.28E-03 | 2.22E-05 | 2.58E-05 | 5.97E-04 |
| SKELETON BONE | G | 2.18E-04 | 2.16E-04 | 8.22E-04 | 8.22E-04 | 5.47E-04 | 6.12E-04 | 2.05E-04 | 1.83E-04 | 1.57E-04 | 1.77E-04 | 3.50E-04 |
| | B | 0.0 | 0.0 | 2.58E-03 | 1.71E-03 | 5.85E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 2.18E-04 | 2.16E-04 | 3.41E-03 | 2.53E-03 | 1.13E-03 | 6.12E-04 | 2.05E-04 | 1.83E-04 | 1.57E-04 | 1.77E-04 | 5.34E-04 |
| R MARROW | G | 7.17E-04 | 4.04E-04 | 7.41E-04 | 7.41E-04 | 1.75E-03 | 6.30E-04 | 1.90E-04 | 2.69E-04 | 1.24E-04 | 1.92E-04 | 3.87E-04 |
| | B | 0.0 | 0.0 | 9.61E-05 | 2.93E-03 | 6.41E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 7.17E-04 | 4.04E-04 | 8.37E-04 | 3.67E-03 | 8.16E-03 | 6.30E-04 | 1.90E-04 | 2.69E-04 | 1.24E-04 | 1.92E-04 | 5.71E-04 |
| Y MARROW | G | 2.89E-04 | 2.53E-04 | 7.11E-04 | 7.11E-04 | 6.77E-04 | 1.04E-03 | 2.17E-04 | 2.73E-04 | 6.83E-05 | 9.55E-05 | 3.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.61E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 2.89E-04 | 2.53E-04 | 7.11E-04 | 7.11E-04 | 6.77E-04 | 9.66E-03 | 2.17E-04 | 2.73E-04 | 6.83E-05 | 9.55E-05 | 5.11E-04 |
| T E CL | G | 2.18E-04 | 2.16E-04 | 8.21E-04 | 8.21E-04 | 7.39E-04 | 6.77E-04 | 2.05E-04 | 1.83E-04 | 1.57E-04 | 1.77E-04 | 3.50E-04 |
| | B | 0.0 | 0.0 | 1.56E-03 | 2.70E-03 | 2.50E-03 | 2.15E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 2.18E-04 | 2.16E-04 | 2.39E-03 | 3.53E-03 | 3.24E-03 | 2.83E-03 | 2.05E-04 | 1.83E-04 | 1.57E-04 | 1.77E-04 | 5.34E-04 |
| SKIN | G | 1.29E-04 | 1.28E-04 | 2.03E-04 | 2.03E-04 | 1.77E-04 | 2.25E-04 | 4.86E-04 | 1.49E-04 | 3.71E-04 | 2.13E-04 | 2.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.97E-03 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 1.29E-04 | 1.28E-04 | 2.03E-04 | 2.03E-04 | 1.77E-04 | 2.25E-04 | 5.46E-03 | 1.49E-04 | 3.71E-04 | 2.13E-04 | 4.04E-04 |
| SPLEEN | G | 1.50E-04 | 4.28E-03 | 1.95E-04 | 1.95E-04 | 2.30E-04 | 2.59E-04 | 1.69E-04 | 3.00E-02 | 2.07E-05 | 4.21E-05 | 4.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.18E-02 | 0.0 | 0.0 | 1.85E-04 |
| | T | 1.50E-04 | 4.28E-03 | 1.95E-04 | 1.95E-04 | 2.30E-04 | 2.59E-04 | 1.69E-04 | 1.02E-01 | 2.07E-05 | 4.21E-05 | 5.90E-04 |
| TESTES | G | 1.02E-46 | 2.55E-05 | 1.61E-04 | 1.61E-04 | 9.74E-05 | 2.20E-04 | 2.19E-04 | 2.58E-05 | 8.35E-02 | 1.53E-06 | 4.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.69E-01 | 0.0 | 1.85E-04 |
| | T | 1.02E-46 | 2.55E-05 | 1.61E-04 | 1.61E-04 | 9.74E-05 | 2.20E-04 | 2.19E-04 | 2.58E-05 | 4.53E-01 | 1.53E-06 | 5.86E-04 |
| THYMUS | G | 1.73E-05 | 1.34E-04 | 1.79E-04 | 1.79E-04 | 1.58E-04 | 1.15E-04 | 1.80E-04 | 1.36E-04 | 4.03E-06 | 9.58E-04 | 3.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 1.73E-05 | 1.34E-04 | 1.79E-04 | 1.79E-04 | 1.58E-04 | 1.15E-04 | 1.80E-04 | 1.36E-04 | 4.03E-06 | 9.58E-04 | 5.36E-04 |
| THYROID | G | 6.07E-06 | 2.60E-05 | 1.73E-04 | 1.73E-04 | 2.12E-04 | 1.41E-04 | 1.83E-04 | 3.82E-05 | 1.53E-06 | 1.12E-01 | 3.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.46E-01 | 1.85E-04 |
| | T | 6.07E-06 | 2.60E-05 | 1.73E-04 | 1.73E-04 | 2.12E-04 | 1.41E-04 | 1.83E-04 | 3.82E-05 | 1.53E-06 | 7.58E-01 | 5.33E-04 |
| UTERUS | G | 4.02E-03 | 1.45E-04 | 1.81E-04 | 1.81E-04 | 4.02E-04 | 1.58E-04 | 1.57E-04 | 1.25E-04 | 1.02E-46 | 5.80E-06 | 5.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-04 |
| | T | 4.02E-03 | 1.45E-04 | 1.81E-04 | 1.81E-04 | 4.02E-04 | 1.58E-04 | 1.57E-04 | 1.25E-04 | 1.02E-46 | 5.80E-06 | 6.85E-04 |
| T BODY | G | 4.63E-04 | 4.53E-04 | 3.38E-04 | 3.38E-04 | 3.73E-04 | 3.01E-04 | 2.20E-04 | 3.94E-04 | 3.35E-04 | 3.06E-04 | 3.38E-04 |
| | B | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 | 1.85E-04 |
| | T | 6.47E-04 | 6.37E-04 | 5.23E-04 | 5.23E-04 | 5.58E-04 | 4.86E-04 | 4.05E-04 | 5.79E-04 | 5.20E-04 | 4.90E-04 | 5.23E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-BEYER, L. M. AND KELLY, W. H., NUCL. PHYS. A104, 274 (1967)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 52-TELLURIUM-131 (TR=2.500E 01 MIN)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.30E-02 | 1.60E-05 | 1.73E-04 | 8.68E-05 | 7.78E-05 | 3.35E-05 | 8.65E-04 | 3.46E-04 | 1.77E-04 | 1.77E-04 | 1.10E-04 |
| | B | 2.59E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.62E 00 | 1.60E-05 | 1.73E-04 | 8.68E-05 | 7.78E-05 | 3.35E-05 | 8.65E-04 | 3.46E-04 | 1.77E-04 | 1.77E-04 | 1.10E-04 |
| BLAD WALL | G | 1.28E-05 | 5.22E-03 | 2.98E-05 | 1.97E-04 | 1.49E-04 | 4.26E-04 | 2.85E-05 | 1.64E-05 | 5.23E-06 | 5.23E-06 | 1.29E-04 |
| | B | 0.0 | 9.07E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-05 | 9.59E-02 | 2.98E-05 | 1.97E-04 | 1.49E-04 | 4.26E-04 | 2.85E-05 | 1.64E-05 | 5.23E-06 | 5.23E-06 | 1.29E-04 |
| GI TRACT S WALL | G | 2.12E-04 | 2.86E-05 | 3.77E-03 | 2.56E-04 | 2.63E-04 | 1.23E-04 | 2.43E-04 | 1.39E-04 | 1.37E-04 | 1.37E-04 | 1.00E-04 |
| | B | 0.0 | 0.0 | 7.25E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.12E-04 | 2.86E-05 | 7.63E-02 | 2.56E-04 | 2.63E-04 | 1.23E-04 | 2.43E-04 | 1.39E-04 | 1.37E-04 | 1.37E-04 | 1.00E-04 |
| SI+CONT | G | 6.71E-05 | 2.00E-04 | 1.88E-04 | 2.23E-03 | 1.18E-03 | 6.59E-04 | 2.03E-04 | 1.16E-04 | 1.97E-05 | 1.97E-05 | 1.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 4.53E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.71E-05 | 2.00E-04 | 1.88E-04 | 4.76E-02 | 1.18E-03 | 6.59E-04 | 2.03E-04 | 1.16E-04 | 1.97E-05 | 1.97E-05 | 1.12E-04 |
| ULI WALL | G | 7.50E-05 | 1.56E-04 | 2.40E-04 | 1.67E-03 | 3.12E-03 | 3.01E-04 | 2.08E-04 | 1.78E-04 | 2.55E-05 | 2.55E-05 | 1.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 8.24E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.50E-05 | 1.56E-04 | 2.40E-04 | 1.67E-03 | 8.55E-02 | 3.01E-04 | 2.08E-04 | 1.78E-04 | 2.55E-05 | 2.55E-05 | 1.18E-04 |
| LLI WALL | G | 2.04E-05 | 5.06E-04 | 9.45E-05 | 5.05E-04 | 2.29E-04 | 3.70E-03 | 6.16E-05 | 2.05E-05 | 6.17E-06 | 6.17E-06 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.34E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.04E-05 | 5.06E-04 | 9.45E-05 | 5.05E-04 | 2.29E-04 | 1.38E-01 | 6.16E-05 | 2.05E-05 | 6.17E-06 | 6.17E-06 | 1.23E-04 |
| KIDNEYS | G | 8.20E-04 | 2.53E-05 | 2.42E-04 | 2.28E-04 | 2.03E-04 | 6.46E-05 | 5.19E-03 | 2.74E-04 | 7.06E-05 | 7.06E-05 | 1.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.20E-04 | 2.53E-05 | 2.42E-04 | 2.28E-04 | 2.03E-04 | 6.46E-05 | 1.22E-01 | 2.74E-04 | 7.06E-05 | 7.06E-05 | 1.03E-04 |
| LIVER | G | 3.51E-04 | 1.90E-05 | 1.44E-04 | 1.33E-04 | 1.82E-04 | 2.49E-05 | 2.81E-04 | 1.85E-03 | 1.75E-04 | 1.75E-04 | 8.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.01E-02 | 0.0 | 0.0 | 0.0 |
| | T | 3.51E-04 | 1.90E-05 | 1.44E-04 | 1.33E-04 | 1.82E-04 | 2.49E-05 | 2.81E-04 | 2.20E-02 | 1.75E-04 | 1.75E-04 | 8.06E-05 |
| LUNGS | G | 1.74E-04 | 4.11E-06 | 1.29E-04 | 2.24E-05 | 2.55E-05 | 8.83E-06 | 6.80E-05 | 1.79E-04 | 1.06E-03 | 1.06E-03 | 9.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.63E-02 | 3.63E-02 | 0.0 |
| | T | 1.74E-04 | 4.11E-06 | 1.29E-04 | 2.24E-05 | 2.55E-05 | 8.83E-06 | 6.80E-05 | 1.79E-04 | 3.73E-02 | 3.73E-02 | 9.64E-05 |
| RESP LYM NODE | G | 1.74E-04 | 4.11E-06 | 1.29E-04 | 2.24E-05 | 2.55E-05 | 8.83E-06 | 6.80E-05 | 1.79E-04 | 1.06E-03 | 1.06E-03 | 9.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.62E-02 | 2.42E 00 | 0.0 |
| | T | 1.74E-04 | 4.11E-06 | 1.29E-04 | 2.24E-05 | 2.55E-05 | 8.83E-06 | 6.80E-05 | 1.79E-04 | 3.73E-02 | 2.42E 00 | 9.64E-05 |
| MUSCLE* | G | 1.10E-04 | 1.29E-04 | 1.02E-04 | 1.12E-04 | 1.07E-04 | 1.23E-04 | 1.03E-04 | 8.06E-05 | 9.64E-05 | 9.64E-05 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.30E-03 |
| | T | 1.10E-04 | 1.29E-04 | 1.02E-04 | 1.12E-04 | 1.07E-04 | 1.23E-04 | 1.03E-04 | 8.06E-05 | 9.64E-05 | 9.64E-05 | 1.40E-03 |
| OVARIES | G | 3.89E-05 | 4.38E-04 | 6.32E-05 | 7.16E-04 | 7.37E-04 | 1.25E-03 | 9.59E-05 | 3.79E-05 | 1.06E-05 | 1.06E-05 | 1.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.89E-05 | 4.38E-04 | 6.32E-05 | 7.16E-04 | 7.37E-04 | 1.25E-03 | 9.59E-05 | 3.79E-05 | 1.06E-05 | 1.06E-05 | 1.44E-04 |

52-TELLURIUM-131 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 6.30E-04 | 1.97E-05 | 1.26E-03 | 1.46E-04 | 1.51E-04 | 5.32E-05 | 4.82E-04 | 3.14E-04 | 1.82E-04 | 1.82E-04 | 1.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.30E-04 | 1.97E-05 | 1.26E-03 | 1.46E-04 | 1.51E-04 | 5.32E-05 | 4.82E-04 | 3.14E-04 | 1.82E-04 | 1.82E-04 | 1.30E-04 |
| SKELETON BONE | G | 1.11E-04 | 4.81E-05 | 4.91E-05 | 6.62E-05 | 5.96E-05 | 8.69E-05 | 7.99E-05 | 6.04E-05 | 8.16E-05 | 8.16E-05 | 7.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-04 | 4.81E-05 | 4.91E-05 | 6.62E-05 | 5.96E-05 | 8.69E-05 | 7.99E-05 | 6.04E-05 | 8.16E-05 | 8.16E-05 | 7.85E-05 |
| R MARROW | G | 1.99E-04 | 1.07E-04 | 8.48E-05 | 2.13E-04 | 1.82E-04 | 2.65E-04 | 2.04E-04 | 8.67E-05 | 1.03E-04 | 1.03E-04 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.99E-04 | 1.07E-04 | 8.48E-05 | 2.13E-04 | 1.82E-04 | 2.65E-04 | 2.04E-04 | 8.67E-05 | 1.03E-04 | 1.03E-04 | 1.11E-04 |
| Y MARROW | G | 1.07E-04 | 4.47E-05 | 6.84E-05 | 9.19E-05 | 8.50E-05 | 1.07E-04 | 9.86E-05 | 8.96E-05 | 8.53E-05 | 8.53E-05 | 8.79E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.07E-04 | 4.47E-05 | 6.84E-05 | 9.19E-05 | 8.50E-05 | 1.07E-04 | 9.86E-05 | 8.96E-05 | 8.53E-05 | 8.53E-05 | 8.79E-05 |
| T E CL | G | 1.11E-04 | 4.81E-05 | 4.91E-05 | 6.62E-05 | 5.96E-05 | 8.69E-05 | 7.99E-05 | 6.04E-05 | 8.16E-05 | 8.16E-05 | 7.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-04 | 4.81E-05 | 4.91E-05 | 6.62E-05 | 5.96E-05 | 8.69E-05 | 7.99E-05 | 6.04E-05 | 8.16E-05 | 8.16E-05 | 7.85E-05 |
| SKIN | G | 4.82E-05 | 4.70E-05 | 4.10E-05 | 3.80E-05 | 3.80E-05 | 4.22E-05 | 4.62E-05 | 4.25E-05 | 4.72E-05 | 4.72E-05 | 6.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.82E-05 | 4.70E-05 | 4.10E-05 | 3.80E-05 | 3.80E-05 | 4.22E-05 | 4.62E-05 | 4.25E-05 | 4.72E-05 | 4.72E-05 | 6.41E-05 |
| SPLEEN | G | 4.54E-04 | 2.39E-05 | 6.99E-04 | 1.13E-04 | 9.89E-05 | 6.85E-05 | 6.13E-04 | 7.44E-05 | 1.59E-04 | 1.59E-04 | 1.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.54E-04 | 2.39E-05 | 6.99E-04 | 1.13E-04 | 9.89E-05 | 6.85E-05 | 6.13E-04 | 7.44E-05 | 1.59E-04 | 1.59E-04 | 1.07E-04 |
| TESTES | G | 5.02E-06 | 3.48E-04 | 6.84E-06 | 3.09E-05 | 3.33E-05 | 1.29E-04 | 1.05E-05 | 1.11E-05 | 1.84E-06 | 1.84E-06 | 8.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.02E-06 | 3.48E-04 | 6.84E-06 | 3.09E-05 | 3.33E-05 | 1.29E-04 | 1.05E-05 | 1.11E-05 | 1.84E-06 | 1.84E-06 | 8.84E-05 |
| THYMUS | G | 4.70E-05 | 2.36E-06 | 3.52E-05 | 9.72E-06 | 1.08E-05 | 4.17E-06 | 1.68E-05 | 6.46E-05 | 2.96E-04 | 2.96E-04 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.70E-05 | 2.36E-06 | 3.52E-05 | 9.72E-06 | 1.08E-05 | 4.17E-06 | 1.68E-05 | 6.46E-05 | 2.96E-04 | 2.96E-04 | 1.31E-04 |
| THYROID | G | 1.39E-05 | 7.86E-07 | 1.06E-05 | 2.91E-06 | 3.10E-06 | 1.38E-06 | 6.66E-06 | 1.37E-05 | 8.41E-05 | 8.41E-05 | 9.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.39E-05 | 7.86E-07 | 1.06E-05 | 2.91E-06 | 3.10E-06 | 1.38E-06 | 6.66E-06 | 1.37E-05 | 8.41E-05 | 8.41E-05 | 9.87E-05 |
| UTERUS | G | 5.43E-05 | 1.09E-03 | 6.52E-05 | 6.41E-04 | 3.48E-04 | 4.38E-04 | 6.55E-05 | 3.06E-05 | 8.34E-06 | 8.34E-06 | 1.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.43E-05 | 1.09E-03 | 6.52E-05 | 6.41E-04 | 3.48E-04 | 4.38E-04 | 6.55E-05 | 3.06E-05 | 8.34E-06 | 8.34E-06 | 1.67E-04 |
| T BODY | G | 1.23E-04 | 1.36E-04 | 1.29E-04 | 1.43E-04 | 1.40E-04 | 1.39E-04 | 1.23E-04 | 1.24E-04 | 1.06E-04 | 1.06E-04 | 1.03E-04 |
| | B | 5.18E-04 | 5.83E-05 | 1.55E-04 | 4.14E-04 | 2.47E-04 | 3.07E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 |
| | T | 6.41E-04 | 1.94E-04 | 2.85E-04 | 5.58E-04 | 3.87E-04 | 4.46E-04 | 6.41E-04 | 6.42E-04 | 6.24E-04 | 6.24E-04 | 6.21E-04 |

CONTINUED NEXT PAGE

52-TELLURIUM-131 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.67E-05 | 5.78E-04 | 1.17E-04 | 1.17E-04 | 1.75E-04 | 6.98E-05 | 5.52E-05 | 4.76E-04 | 5.02E-06 | 1.37E-05 | 1.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 3.67E-05 | 5.78E-04 | 1.17E-04 | 1.17E-04 | 1.75E-04 | 6.98E-05 | 5.52E-05 | 4.76E-04 | 5.02E-06 | 1.37E-05 | 6.65E-04 |
| BLAD WALL | G | 5.03E-04 | 1.20E-05 | 3.93E-05 | 3.93E-05 | 6.90E-05 | 2.43E-05 | 4.83E-05 | 1.63E-05 | 3.66E-04 | 7.90E-07 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 5.03E-04 | 1.20E-05 | 3.93E-05 | 3.93E-05 | 6.90E-05 | 2.43E-05 | 4.83E-05 | 1.63E-05 | 3.66E-04 | 7.90E-07 | 6.55E-04 |
| GI TRACT S WALL | G | 5.90E-05 | 1.26E-03 | 4.10E-05 | 4.10E-05 | 7.80E-05 | 5.54E-05 | 4.56E-05 | 7.00E-04 | 5.91E-06 | 8.08E-06 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 5.90E-05 | 1.26E-03 | 4.10E-05 | 4.10E-05 | 7.80E-05 | 5.54E-05 | 4.56E-05 | 7.00E-04 | 5.91E-06 | 8.08E-06 | 6.42E-04 |
| SI+CONT | G | 8.47E-04 | 1.31E-04 | 5.80E-05 | 5.80E-05 | 1.89E-04 | 7.58E-05 | 3.98E-05 | 1.02E-04 | 3.55E-05 | 1.70E-06 | 1.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 8.47E-04 | 1.31E-04 | 5.80E-05 | 5.80E-05 | 1.89E-04 | 7.58E-05 | 3.98E-05 | 1.02E-04 | 3.55E-05 | 1.70E-06 | 6.61E-04 |
| ULI WALL | G | 7.93E-04 | 1.58E-04 | 5.35E-05 | 5.35E-05 | 1.45E-04 | 6.49E-05 | 4.21E-05 | 1.01E-04 | 2.61E-05 | 1.94E-06 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 7.93E-04 | 1.58E-04 | 5.35E-05 | 5.35E-05 | 1.45E-04 | 6.49E-05 | 4.21E-05 | 1.01E-04 | 2.61E-05 | 1.94E-06 | 6.55E-04 |
| LLI WALL | G | 1.02E-03 | 4.13E-05 | 7.47E-05 | 7.47E-05 | 2.16E-04 | 6.26E-05 | 4.31E-05 | 4.70E-05 | 1.88E-04 | 1.18E-06 | 1.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 1.02E-03 | 4.13E-05 | 7.47E-05 | 7.47E-05 | 2.16E-04 | 6.26E-05 | 4.31E-05 | 4.70E-05 | 1.88E-04 | 1.18E-06 | 6.56E-04 |
| KIDNEYS | G | 7.68E-05 | 4.52E-04 | 7.28E-05 | 7.28E-05 | 1.69E-04 | 8.40E-05 | 5.23E-05 | 6.21E-04 | 7.74E-06 | 5.76E-06 | 1.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 7.68E-05 | 4.52E-04 | 7.28E-05 | 7.28E-05 | 1.69E-04 | 8.40E-05 | 5.23E-05 | 6.21E-04 | 7.74E-06 | 5.76E-06 | 6.45E-04 |
| LIVER | G | 4.46E-05 | 3.01E-04 | 5.12E-05 | 5.12E-05 | 7.20E-05 | 7.79E-05 | 4.66E-05 | 7.63E-05 | 5.13E-06 | 1.15E-05 | 1.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 4.46E-05 | 3.01E-04 | 5.12E-05 | 5.12E-05 | 7.20E-05 | 7.79E-05 | 4.66E-05 | 7.63E-05 | 5.13E-06 | 1.15E-05 | 6.44E-04 |
| LUNGS | G | 8.61E-06 | 1.74E-04 | 7.14E-05 | 7.14E-05 | 8.78E-05 | 7.33E-05 | 4.91E-05 | 1.59E-04 | 1.47E-06 | 7.70E-05 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 8.61E-06 | 1.74E-04 | 7.14E-05 | 7.14E-05 | 8.78E-05 | 7.33E-05 | 4.91E-05 | 1.59E-04 | 1.47E-06 | 7.70E-05 | 6.24E-04 |
| RESP LYM NODE | G | 8.61E-06 | 1.74E-04 | 7.14E-05 | 7.14E-05 | 8.78E-05 | 7.33E-05 | 4.91E-05 | 1.59E-04 | 1.47E-06 | 7.70E-05 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 8.61E-06 | 1.74E-04 | 7.14E-05 | 7.14E-05 | 8.78E-05 | 7.33E-05 | 4.91E-05 | 1.59E-04 | 1.47E-06 | 7.70E-05 | 6.24E-04 |
| MUSCLE* | G | 1.44E-04 | 1.30E-04 | 7.85E-05 | 7.85E-05 | 9.30E-05 | 7.19E-05 | 6.41E-05 | 1.07E-04 | 8.84E-05 | 9.87E-05 | 1.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 1.44E-04 | 1.30E-04 | 7.85E-05 | 7.85E-05 | 9.30E-05 | 7.19E-05 | 6.41E-05 | 1.07E-04 | 8.84E-05 | 9.87E-05 | 6.21E-04 |
| OVARIES | G | 5.45E-02 | 4.58E-05 | 6.67E-05 | 6.67E-05 | 2.22E-04 | 7.93E-05 | 3.38E-05 | 4.84E-05 | 5.88E-47 | 1.40E-06 | 1.19E-04 |
| | B | 3.30E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 3.35E 00 | 4.58E-05 | 6.67E-05 | 6.67E-05 | 2.22E-04 | 7.93E-05 | 3.38E-05 | 4.84E-05 | 5.88E-47 | 1.40E-06 | 6.37E-04 |

52-TELLURIUM-131 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.89E-05 | 1.52E-02 | 6.97E-05 | 6.97E-05 | 1.07E-04 | 8.39E-05 | 3.79E-05 | 1.36E-03 | 5.49E-06 | 6.95E-06 | 1.29E-04 |
| | B | 0.0 | 3.63E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 4.89E-05 | 3.78E-01 | 6.97E-05 | 6.97E-05 | 1.07E-04 | 8.39E-05 | 3.79E-05 | 1.36E-03 | 5.49E-06 | 6.95E-06 | 6.47E-04 |
| SKELETON BONE | G | 7.84E-05 | 7.63E-05 | 2.75E-04 | 2.75E-04 | 1.82E-04 | 2.03E-04 | 6.57E-05 | 6.33E-05 | 5.28E-05 | 5.93E-05 | 1.18E-04 |
| | B | 0.0 | 0.0 | 7.25E-03 | 4.19E-03 | 2.04E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 7.84E-05 | 7.63E-05 | 7.53E-03 | 4.47E-03 | 2.22E-03 | 2.03E-04 | 6.57E-05 | 6.33E-05 | 5.28E-05 | 5.93E-05 | 6.36E-04 |
| R MARROW | G | 2.66E-04 | 1.44E-04 | 2.48E-04 | 2.48E-04 | 5.90E-04 | 2.10E-04 | 6.16E-05 | 9.33E-05 | 4.17E-05 | 6.47E-05 | 1.33E-04 |
| | B | 0.0 | 0.0 | 4.75E-04 | 1.02E-02 | 1.61E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 2.66E-04 | 1.44E-04 | 7.22E-04 | 1.04E-02 | 1.67E-02 | 2.10E-04 | 6.16E-05 | 9.33E-05 | 4.17E-05 | 6.47E-05 | 6.51E-04 |
| Y MARROW | G | 1.05E-04 | 8.91E-05 | 2.37E-04 | 2.37E-04 | 2.27E-04 | 3.47E-04 | 6.95E-05 | 9.45E-05 | 2.17E-05 | 3.15E-05 | 1.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.42E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 1.05E-04 | 8.91E-05 | 2.37E-04 | 2.37E-04 | 2.27E-04 | 2.45E-02 | 6.95E-05 | 9.45E-05 | 2.17E-05 | 3.15E-05 | 6.28E-04 |
| T E CL | G | 7.84E-05 | 7.63E-05 | 2.74E-04 | 2.74E-04 | 2.48E-04 | 2.25E-04 | 6.57E-05 | 6.33E-05 | 5.28E-05 | 5.93E-05 | 1.18E-04 |
| | B | 0.0 | 0.0 | 4.55E-03 | 6.88E-03 | 7.50E-03 | 6.04E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 7.84E-05 | 7.63E-05 | 4.83E-03 | 7.16E-03 | 7.75E-03 | 6.27E-03 | 6.57E-05 | 6.33E-05 | 5.28E-05 | 5.93E-05 | 6.36E-04 |
| SKIN | G | 3.73E-05 | 3.67E-05 | 5.93E-05 | 5.93E-05 | 5.21E-05 | 6.58E-05 | 1.44E-04 | 4.33E-05 | 1.12E-04 | 6.29E-05 | 6.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39E-02 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 3.73E-05 | 3.67E-05 | 5.93E-05 | 5.93E-05 | 5.21E-05 | 6.58E-05 | 1.41E-02 | 4.33E-05 | 1.12E-04 | 6.29E-05 | 5.82E-04 |
| SPLEEN | G | 4.36E-05 | 1.37E-03 | 5.63E-05 | 5.63E-05 | 6.86E-05 | 7.80E-05 | 4.90E-05 | 9.32E-03 | 5.12E-06 | 1.14E-05 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.01E-01 | 0.0 | 0.0 | 5.18E-04 |
| | T | 4.36E-05 | 1.37E-03 | 5.63E-05 | 5.63E-05 | 6.86E-05 | 7.80E-05 | 4.90E-05 | 2.11E-01 | 5.12E-06 | 1.14E-05 | 6.45E-04 |
| TESTES | G | 5.88E-47 | 6.51E-06 | 4.66E-05 | 4.66E-05 | 3.00E-05 | 7.15E-05 | 6.76E-05 | 6.71E-06 | 2.56E-02 | 3.20E-07 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E 00 | 0.0 | 5.18E-04 |
| | T | 5.88E-47 | 6.51E-06 | 4.66E-05 | 4.66E-05 | 3.00E-05 | 7.15E-05 | 6.76E-05 | 6.71E-06 | 1.06E 00 | 3.20E-07 | 6.33E-04 |
| THYMUS | G | 4.35E-06 | 4.24E-05 | 5.06E-05 | 5.06E-05 | 5.01E-05 | 3.90E-05 | 5.36E-05 | 3.55E-05 | 9.01E-07 | 3.00E-04 | 1.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 4.35E-06 | 4.24E-05 | 5.06E-05 | 5.06E-05 | 5.01E-05 | 3.90E-05 | 5.36E-05 | 3.55E-05 | 9.01E-07 | 3.00E-04 | 6.35E-04 |
| THYROID | G | 1.40E-06 | 8.59E-06 | 6.00E-05 | 6.00E-05 | 6.14E-05 | 5.35E-05 | 5.56E-05 | 1.03E-05 | 3.20E-07 | 3.45E-02 | 9.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.81E 00 | 5.18E-04 |
| | T | 1.40E-06 | 8.59E-06 | 6.00E-05 | 6.00E-05 | 6.14E-05 | 5.35E-05 | 5.56E-05 | 1.03E-05 | 3.20E-07 | 1.85E 00 | 6.18E-04 |
| UTERUS | G | 1.33E-03 | 4.34E-05 | 5.16E-05 | 5.16E-05 | 1.37E-04 | 4.76E-05 | 4.32E-05 | 3.53E-05 | 5.88E-47 | 1.33E-06 | 1.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.18E-04 |
| | T | 1.33E-03 | 4.34E-05 | 5.16E-05 | 5.16E-05 | 1.37E-04 | 4.76E-05 | 4.32E-05 | 3.53E-05 | 5.88E-47 | 1.33E-06 | 6.70E-04 |
| T BODY | G | 1.46E-04 | 1.43E-04 | 1.06E-04 | 1.06E-04 | 1.17E-04 | 9.38E-05 | 6.53E-05 | 1.23E-04 | 1.03E-04 | 9.44E-05 | 1.05E-04 |
| | B | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 | 5.18E-04 |
| | T | 6.64E-04 | 6.61E-04 | 6.24E-04 | 6.24E-04 | 6.35E-04 | 6.12E-04 | 5.83E-04 | 6.41E-04 | 6.21E-04 | 6.13E-04 | 6.23E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-WALTERS, W. B. ET AL., PHYS. REV. 140B, 268 (1965)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 52-TELLURIUM-132 (TR=7.770E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.64E-02 | 7.53E-06 | 9.74E-05 | 6.03E-05 | 3.71E-05 | 1.79E-05 | 4.99E-04 | 2.24E-04 | 1.04E-04 | 1.04E-04 | 6.89E-05 |
| | B | 3.74E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.01E-01 | 7.53E-06 | 9.74E-05 | 6.03E-05 | 3.71E-05 | 1.79E-05 | 4.99E-04 | 2.24E-04 | 1.04E-04 | 1.04E-04 | 6.89E-05 |
| BLAD WALL | G | 4.57E-06 | 3.88E-03 | 9.43E-06 | 1.10E-04 | 8.66E-05 | 2.83E-04 | 1.22E-05 | 6.64E-06 | 2.01E-06 | 2.01E-06 | 7.95E-05 |
| | B | 0.0 | 1.31E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.57E-06 | 1.70E-02 | 9.43E-06 | 1.10E-04 | 8.66E-05 | 2.83E-04 | 1.22E-05 | 6.64E-06 | 2.01E-06 | 2.01E-06 | 7.95E-05 |
| GI TRACT S WALL | G | 1.20E-04 | 1.10E-05 | 2.76E-03 | 1.58E-04 | 1.69E-04 | 7.49E-05 | 1.41E-04 | 8.05E-05 | 8.11E-05 | 8.11E-05 | 6.26E-05 |
| | B | 0.0 | 0.0 | 1.05E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.20E-04 | 1.10E-05 | 1.32E-02 | 1.58E-04 | 1.69E-04 | 7.49E-05 | 1.41E-04 | 8.05E-05 | 8.11E-05 | 8.11E-05 | 6.26E-05 |
| SI+CONT | G | 3.36E-05 | 1.17E-04 | 1.09E-04 | 1.62E-03 | 8.13E-04 | 4.49E-04 | 1.19E-04 | 6.83E-05 | 7.95E-06 | 7.95E-06 | 6.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 6.55E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.36E-05 | 1.17E-04 | 1.09E-04 | 8.17E-03 | 8.13E-04 | 4.49E-04 | 1.19E-04 | 6.83E-05 | 7.95E-06 | 7.95E-06 | 6.83E-05 |
| ULI WALL | G | 3.66E-05 | 9.44E-05 | 1.55E-04 | 1.23E-03 | 2.28E-03 | 1.99E-04 | 1.19E-04 | 1.05E-04 | 9.76E-06 | 9.76E-06 | 7.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.66E-05 | 9.44E-05 | 1.55E-04 | 1.23E-03 | 1.42E-02 | 1.99E-04 | 1.19E-04 | 1.05E-04 | 9.76E-06 | 9.76E-06 | 7.19E-05 |
| LLI WALL | G | 9.23E-06 | 3.15E-04 | 5.24E-05 | 3.48E-04 | 1.36E-04 | 2.75E-03 | 3.34E-05 | 9.44E-06 | 4.14E-06 | 4.14E-06 | 7.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.23E-06 | 3.15E-04 | 5.24E-05 | 3.48E-04 | 1.36E-04 | 2.21E-02 | 3.34E-05 | 9.44E-06 | 4.14E-06 | 4.14E-06 | 7.44E-05 |
| KIDNEYS | G | 5.52E-04 | 1.11E-05 | 1.46E-04 | 1.26E-04 | 1.14E-04 | 3.78E-05 | 3.96E-03 | 1.66E-04 | 3.59E-05 | 3.59E-05 | 6.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.69E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.52E-04 | 1.11E-05 | 1.46E-04 | 1.26E-04 | 1.14E-04 | 3.78E-05 | 2.09E-02 | 1.66E-04 | 3.59E-05 | 3.59E-05 | 6.39E-05 |
| LIVER | G | 2.21E-04 | 8.41E-06 | 8.12E-05 | 7.72E-05 | 1.09E-04 | 1.11E-05 | 1.67E-04 | 1.33E-03 | 1.11E-04 | 1.11E-04 | 4.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.91E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.21E-04 | 8.41E-06 | 8.12E-05 | 7.72E-05 | 1.09E-04 | 1.11E-05 | 1.67E-04 | 4.24E-03 | 1.11E-04 | 1.11E-04 | 4.80E-05 |
| LUNGS | G | 1.08E-04 | 1.06E-06 | 7.50E-05 | 9.99E-06 | 1.09E-05 | 3.39E-06 | 3.43E-05 | 1.15E-04 | 8.53E-04 | 8.53E-04 | 6.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.24E-03 | 5.24E-03 | 0.0 |
| | T | 1.08E-04 | 1.06E-06 | 7.50E-05 | 9.99E-06 | 1.09E-05 | 3.39E-06 | 3.43E-05 | 1.15E-04 | 6.09E-03 | 6.09E-03 | 6.19E-05 |
| RESP LYM NODE | G | 1.08E-04 | 1.06E-06 | 7.50E-05 | 9.99E-06 | 1.09E-05 | 3.39E-06 | 3.43E-05 | 1.15E-04 | 8.39E-04 | 8.53E-04 | 6.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.43E-03 | 3.49E-01 | 0.0 |
| | T | 1.08E-04 | 1.06E-06 | 7.50E-05 | 9.99E-06 | 1.09E-05 | 3.39E-06 | 3.43E-05 | 1.15E-04 | 5.27E-03 | 3.50E-01 | 6.19E-05 |
| MUSCLE* | G | 6.89E-05 | 7.95E-05 | 6.27E-05 | 6.83E-05 | 6.48E-05 | 7.44E-05 | 6.39E-05 | 4.80E-05 | 6.19E-05 | 6.19E-05 | 6.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.87E-04 |
| | T | 6.89E-05 | 7.95E-05 | 6.27E-05 | 6.83E-05 | 6.48E-05 | 7.44E-05 | 6.39E-05 | 4.80E-05 | 6.19E-05 | 6.19E-05 | 2.56E-04 |
| OVARIES | G | 2.23E-05 | 3.22E-04 | 1.76E-05 | 4.78E-04 | 5.33E-04 | 9.58E-04 | 4.83E-05 | 1.86E-05 | 4.81E-06 | 4.81E-06 | 9.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.23E-05 | 3.22E-04 | 1.76E-05 | 4.78E-04 | 5.33E-04 | 9.58E-04 | 4.83E-05 | 1.86E-05 | 4.81E-06 | 4.81E-06 | 9.07E-05 |

52-TELLURIUM-132 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.75E-04 | 1.15E-05 | 8.51E-04 | 8.25E-05 | 9.55E-05 | 2.77E-05 | 2.77E-04 | 1.71E-04 | 1.09E-04 | 1.09E-04 | 8.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.75E-04 | 1.15E-05 | 8.51E-04 | 8.25E-05 | 9.55E-05 | 2.77E-05 | 2.77E-04 | 1.71E-04 | 1.09E-04 | 1.09E-04 | 8.28E-05 |
| SKELETON BONE | G | 7.94E-05 | 3.09E-05 | 3.22E-05 | 4.52E-05 | 4.08E-05 | 6.49E-05 | 5.39E-05 | 4.19E-05 | 5.76E-05 | 5.76E-05 | 4.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.94E-05 | 3.09E-05 | 3.22E-05 | 4.52E-05 | 4.08E-05 | 6.49E-05 | 5.39E-05 | 4.19E-05 | 5.76E-05 | 5.76E-05 | 4.41E-05 |
| R MARROW | G | 1.41E-04 | 7.20E-05 | 5.53E-05 | 1.53E-04 | 1.33E-04 | 2.12E-04 | 1.41E-04 | 5.77E-05 | 7.21E-05 | 7.21E-05 | 8.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.41E-04 | 7.20E-05 | 5.53E-05 | 1.53E-04 | 1.33E-04 | 2.12E-04 | 1.41E-04 | 5.77E-05 | 7.21E-05 | 7.21E-05 | 8.05E-05 |
| Y MARROW | G | 7.58E-05 | 2.90E-05 | 4.49E-05 | 6.32E-05 | 5.84E-05 | 8.21E-05 | 6.62E-05 | 6.29E-05 | 6.12E-05 | 6.12E-05 | 6.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.58E-05 | 2.90E-05 | 4.49E-05 | 6.32E-05 | 5.84E-05 | 8.21E-05 | 6.62E-05 | 6.29E-05 | 6.12E-05 | 6.12E-05 | 6.31E-05 |
| T E CL | G | 7.94E-05 | 3.09E-05 | 3.22E-05 | 4.52E-05 | 4.08E-05 | 6.49E-05 | 5.39E-05 | 4.19E-05 | 5.76E-05 | 5.76E-05 | 4.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.94E-05 | 3.09E-05 | 3.22E-05 | 4.52E-05 | 4.08E-05 | 6.49E-05 | 5.39E-05 | 4.19E-05 | 5.76E-05 | 5.76E-05 | 4.41E-05 |
| SKIN | G | 2.51E-05 | 2.39E-05 | 2.02E-05 | 1.87E-05 | 1.90E-05 | 2.20E-05 | 2.53E-05 | 2.24E-05 | 2.51E-05 | 2.51E-05 | 3.65E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.51E-05 | 2.39E-05 | 2.02E-05 | 1.87E-05 | 1.90E-05 | 2.20E-05 | 2.53E-05 | 2.24E-05 | 2.51E-05 | 2.51E-05 | 3.65E-05 |
| SPLEEN | G | 2.93E-04 | 6.54E-06 | 4.46E-04 | 6.31E-05 | 5.61E-05 | 3.15E-05 | 4.13E-04 | 3.74E-05 | 1.02E-04 | 1.02E-04 | 6.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.93E-04 | 6.54E-06 | 4.46E-04 | 6.31E-05 | 5.61E-05 | 3.15E-05 | 4.13E-04 | 3.74E-05 | 1.02E-04 | 1.02E-04 | 6.68E-05 |
| TESTES | G | 1.83E-06 | 1.96E-04 | 2.40E-06 | 1.36E-05 | 1.29E-05 | 8.38E-05 | 4.55E-06 | 3.30E-06 | 5.22E-07 | 5.22E-07 | 5.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.83E-06 | 1.96E-04 | 2.40E-06 | 1.36E-05 | 1.29E-05 | 8.38E-05 | 4.55E-06 | 3.30E-06 | 5.22E-07 | 5.22E-07 | 5.16E-05 |
| THYMUS | G | 1.68E-05 | 6.97E-07 | 1.00E-05 | 4.19E-06 | 4.67E-06 | 1.52E-06 | 8.17E-06 | 2.71E-05 | 1.74E-04 | 1.74E-04 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.68E-05 | 6.97E-07 | 1.00E-05 | 4.19E-06 | 4.67E-06 | 1.52E-06 | 8.17E-06 | 2.71E-05 | 1.74E-04 | 1.74E-04 | 1.23E-04 |
| THYROID | G | 6.28E-06 | 1.58E-07 | 4.67E-06 | 9.23E-07 | 1.01E-06 | 3.63E-07 | 2.62E-06 | 8.45E-06 | 3.43E-05 | 3.43E-05 | 6.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.28E-06 | 1.58E-07 | 4.67E-06 | 9.23E-07 | 1.01E-06 | 3.63E-07 | 2.62E-06 | 8.45E-06 | 3.43E-05 | 3.43E-05 | 6.40E-05 |
| UTERUS | G | 8.28E-05 | 7.25E-04 | 3.22E-05 | 4.23E-04 | 2.01E-04 | 2.97E-04 | 4.12E-05 | 1.54E-05 | 3.76E-06 | 3.76E-06 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.28E-05 | 7.25E-04 | 3.22E-05 | 4.23E-04 | 2.01E-04 | 2.97E-04 | 4.12E-05 | 1.54E-05 | 3.76E-06 | 3.76E-06 | 1.06E-04 |
| T BODY | G | 7.92E-05 | 8.75E-05 | 8.35E-05 | 9.28E-05 | 9.03E-05 | 9.03E-05 | 7.92E-05 | 8.04E-05 | 7.10E-05 | 7.10E-05 | 6.46E-05 |
| | B | 7.48E-05 | 8.42E-06 | 2.24E-05 | 5.99E-05 | 3.57E-05 | 4.43E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 |
| | T | 1.54E-04 | 9.59E-05 | 1.06E-04 | 1.53E-04 | 1.26E-04 | 1.35E-04 | 1.54E-04 | 1.55E-04 | 1.46E-04 | 1.46E-04 | 1.39E-04 |

CONTINUED NEXT PAGE

52-TELLURIUM-132 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.52E-05 | 3.68E-04 | 5.43E-05 | 5.43E-05 | 1.10E-04 | 5.82E-05 | 3.43E-05 | 2.88E-04 | 1.83E-06 | 6.28E-06 | 8.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 1.52E-05 | 3.68E-04 | 5.43E-05 | 5.43E-05 | 1.10E-04 | 5.82E-05 | 3.43E-05 | 2.88E-04 | 1.83E-06 | 6.28E-06 | 1.58E-04 |
| BLAD WALL | G | 2.99E-04 | 6.11E-06 | 1.93E-05 | 1.93E-05 | 3.18E-05 | 1.48E-05 | 2.29E-05 | 6.48E-06 | 2.07E-04 | 1.59E-07 | 8.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 2.99E-04 | 6.11E-06 | 1.93E-05 | 1.93E-05 | 3.18E-05 | 1.48E-05 | 2.29E-05 | 6.48E-06 | 2.07E-04 | 1.59E-07 | 1.57E-04 |
| GI TRACT S WALL | G | 3.14E-05 | 8.86E-04 | 2.35E-05 | 2.35E-05 | 4.40E-05 | 3.08E-05 | 2.40E-05 | 4.30E-04 | 2.04E-06 | 1.91E-06 | 8.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 3.14E-05 | 8.86E-04 | 2.35E-05 | 2.35E-05 | 4.40E-05 | 3.08E-05 | 2.40E-05 | 4.30E-04 | 2.04E-06 | 1.91E-06 | 1.61E-04 |
| SI+CONT | G | 5.64E-04 | 7.42E-05 | 3.17E-05 | 3.17E-05 | 1.08E-04 | 4.41E-05 | 1.99E-05 | 5.69E-05 | 1.65E-05 | 5.74E-07 | 9.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 5.64E-04 | 7.42E-05 | 3.17E-05 | 3.17E-05 | 1.08E-04 | 4.41E-05 | 1.99E-05 | 5.69E-05 | 1.65E-05 | 5.74E-07 | 1.67E-04 |
| ULI WALL | G | 5.53E-04 | 8.93E-05 | 3.03E-05 | 3.03E-05 | 8.82E-05 | 3.91E-05 | 1.98E-05 | 5.12E-05 | 1.41E-05 | 4.24E-07 | 8.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 5.53E-04 | 8.93E-05 | 3.03E-05 | 3.03E-05 | 8.82E-05 | 3.91E-05 | 1.98E-05 | 5.12E-05 | 1.41E-05 | 4.24E-07 | 1.60E-04 |
| LLI WALL | G | 7.20E-04 | 2.25E-05 | 4.49E-05 | 4.49E-05 | 1.28E-04 | 3.88E-05 | 2.06E-05 | 2.54E-05 | 1.16E-04 | 2.96E-07 | 8.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 7.20E-04 | 2.25E-05 | 4.49E-05 | 4.49E-05 | 1.28E-04 | 3.88E-05 | 2.06E-05 | 2.54E-05 | 1.16E-04 | 2.96E-07 | 1.56E-04 |
| KIDNEYS | G | 3.86E-05 | 2.76E-04 | 3.75E-05 | 3.75E-05 | 9.30E-05 | 4.56E-05 | 2.83E-05 | 4.16E-04 | 2.30E-06 | 1.51E-06 | 7.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 3.86E-05 | 2.76E-04 | 3.75E-05 | 3.75E-05 | 9.30E-05 | 4.56E-05 | 2.83E-05 | 4.16E-04 | 2.30E-06 | 1.51E-06 | 1.54E-04 |
| LIVER | G | 2.30E-05 | 1.88E-04 | 2.78E-05 | 2.78E-05 | 3.98E-05 | 4.20E-05 | 2.42E-05 | 4.05E-05 | 1.59E-06 | 4.69E-06 | 7.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 2.30E-05 | 1.88E-04 | 2.78E-05 | 2.78E-05 | 3.98E-05 | 4.20E-05 | 2.42E-05 | 4.05E-05 | 1.59E-06 | 4.69E-06 | 1.53E-04 |
| LUNGS | G | 2.85E-06 | 1.07E-04 | 4.17E-05 | 4.17E-05 | 5.11E-05 | 4.26E-05 | 2.76E-05 | 1.00E-04 | 4.62E-07 | 3.87E-05 | 6.99E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 2.85E-06 | 1.07E-04 | 4.17E-05 | 4.17E-05 | 5.11E-05 | 4.26E-05 | 2.76E-05 | 1.00E-04 | 4.62E-07 | 3.87E-05 | 1.45E-04 |
| RESP LYM NODE | G | 2.85E-06 | 1.07E-04 | 4.17E-05 | 4.17E-05 | 5.11E-05 | 4.26E-05 | 2.76E-05 | 1.00E-04 | 4.62E-07 | 3.87E-05 | 6.99E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 2.85E-06 | 1.07E-04 | 4.17E-05 | 4.17E-05 | 5.11E-05 | 4.26E-05 | 2.76E-05 | 1.00E-04 | 4.62E-07 | 3.87E-05 | 1.45E-04 |
| MUSCLE* | G | 9.07E-05 | 8.28E-05 | 4.41E-05 | 4.41E-05 | 5.30E-05 | 4.01E-05 | 3.65E-05 | 6.68E-05 | 5.16E-05 | 6.40E-05 | 6.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 9.07E-05 | 8.28E-05 | 4.41E-05 | 4.41E-05 | 5.30E-05 | 4.01E-05 | 3.65E-05 | 6.68E-05 | 5.16E-05 | 6.40E-05 | 1.39E-04 |
| OVARIES | G | 4.47E-02 | 1.29E-05 | 3.22E-05 | 3.22E-05 | 1.01E-04 | 5.47E-05 | 1.93E-05 | 2.36E-05 | 3.29E-46 | 3.45E-07 | 8.48E-05 |
| | B | 4.76E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 5.21E-01 | 1.29E-05 | 3.22E-05 | 3.22E-05 | 1.01E-04 | 5.47E-05 | 1.93E-05 | 2.36E-05 | 3.29E-46 | 3.45E-07 | 1.60E-04 |

52-TELLURIUM-132 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.92E-05 | 1.19E-02 | 4.29E-05 | 4.29E-05 | 6.58E-05 | 5.25E-05 | 2.31E-05 | 9.33E-04 | 2.76E-06 | 4.04E-06 | 9.70E-05 |
| | B | 0.0 | 5.24E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 1.92E-05 | 6.42E-02 | 4.29E-05 | 4.29E-05 | 6.58E-05 | 5.25E-05 | 2.31E-05 | 9.33E-04 | 2.76E-06 | 4.04E-06 | 1.72E-04 |
| SKELETON BONE | G | 5.57E-05 | 5.04E-05 | 2.27E-04 | 2.27E-04 | 1.49E-04 | 1.71E-04 | 4.38E-05 | 4.29E-05 | 3.15E-05 | 3.67E-05 | 8.81E-05 |
| | B | 0.0 | 0.0 | 1.05E-03 | 9.02E-04 | 9.70E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 5.57E-05 | 5.04E-05 | 1.28E-03 | 1.13E-03 | 2.46E-04 | 1.71E-04 | 4.38E-05 | 4.29E-05 | 3.15E-05 | 3.67E-05 | 1.63E-04 |
| R MARROW | G | 1.99E-04 | 9.63E-05 | 2.07E-04 | 2.07E-04 | 5.19E-04 | 1.74E-04 | 4.12E-05 | 6.26E-05 | 2.54E-05 | 3.96E-05 | 1.00E-04 |
| | B | 0.0 | 0.0 | 4.99E-06 | 4.85E-04 | 3.16E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 1.99E-04 | 9.63E-05 | 2.12E-04 | 6.92E-04 | 3.67E-03 | 1.74E-04 | 4.12E-05 | 6.26E-05 | 2.54E-05 | 3.96E-05 | 1.75E-04 |
| Y MARROW | G | 7.51E-05 | 5.83E-05 | 2.02E-04 | 2.02E-04 | 1.92E-04 | 3.14E-04 | 4.76E-05 | 6.39E-05 | 1.21E-05 | 1.90E-05 | 8.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.49E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 7.51E-05 | 5.83E-05 | 2.02E-04 | 2.02E-04 | 1.92E-04 | 3.81E-03 | 4.76E-05 | 6.39E-05 | 1.21E-05 | 1.90E-05 | 1.59E-04 |
| T E CL | G | 5.57E-05 | 5.04E-05 | 2.26E-04 | 2.26E-04 | 2.11E-04 | 1.95E-04 | 4.38E-05 | 4.29E-05 | 3.15E-05 | 3.67E-05 | 8.82E-05 |
| | B | 0.0 | 0.0 | 4.86E-04 | 9.91E-04 | 1.09E-03 | 8.73E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 5.57E-05 | 5.04E-05 | 7.12E-04 | 1.22E-03 | 1.30E-03 | 1.07E-03 | 4.38E-05 | 4.29E-05 | 3.15E-05 | 3.67E-05 | 1.63E-04 |
| SKIN | G | 1.84E-05 | 1.78E-05 | 3.13E-05 | 3.13E-05 | 2.85E-05 | 3.53E-05 | 1.02E-04 | 2.17E-05 | 7.21E-05 | 3.71E-05 | 3.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.01E-03 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 1.84E-05 | 1.78E-05 | 3.13E-05 | 3.13E-05 | 2.85E-05 | 3.53E-05 | 2.12E-03 | 2.17E-05 | 7.21E-05 | 3.71E-05 | 1.12E-04 |
| SPLEEN | G | 2.18E-05 | 9.37E-04 | 2.81E-05 | 2.81E-05 | 3.73E-05 | 4.38E-05 | 2.44E-05 | 7.13E-03 | 1.16E-06 | 4.64E-06 | 8.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.91E-02 | 0.0 | 0.0 | 7.48E-05 |
| | T | 2.18E-05 | 9.37E-04 | 2.81E-05 | 2.81E-05 | 3.73E-05 | 4.38E-05 | 2.44E-05 | 3.62E-02 | 1.16E-06 | 4.64E-06 | 1.58E-04 |
| TESTES | G | 3.29E-46 | 2.85E-06 | 2.48E-05 | 2.48E-05 | 1.26E-05 | 4.32E-05 | 5.08E-05 | 2.65E-06 | 2.01E-02 | 4.45E-08 | 5.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.50E-01 | 0.0 | 7.48E-05 |
| | T | 3.29E-46 | 2.85E-06 | 2.48E-05 | 2.48E-05 | 1.26E-05 | 4.32E-05 | 5.08E-05 | 2.65E-06 | 1.70E-01 | 4.45E-08 | 1.30E-04 |
| THYMUS | G | 1.53E-06 | 3.17E-05 | 2.00E-05 | 2.00E-05 | 3.00E-05 | 3.03E-05 | 2.91E-05 | 1.44E-05 | 1.90E-07 | 1.80E-04 | 1.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 1.53E-06 | 3.17E-05 | 2.00E-05 | 2.00E-05 | 3.00E-05 | 3.03E-05 | 2.91E-05 | 1.44E-05 | 1.90E-07 | 1.80E-04 | 1.78E-04 |
| THYROID | G | 3.45E-07 | 5.92E-06 | 3.83E-05 | 3.83E-05 | 2.96E-05 | 4.76E-05 | 3.53E-05 | 4.48E-06 | 4.46E-08 | 2.75E-02 | 5.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.62E-01 | 7.48E-05 |
| | T | 3.45E-07 | 5.92E-06 | 3.83E-05 | 3.83E-05 | 2.96E-05 | 4.76E-05 | 3.53E-05 | 4.48E-06 | 4.46E-08 | 2.89E-01 | 1.34E-04 |
| UTERUS | G | 9.69E-04 | 2.47E-05 | 2.52E-05 | 2.52E-05 | 9.19E-05 | 2.61E-05 | 1.66E-05 | 1.55E-05 | 3.29E-46 | 3.22E-07 | 9.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.48E-05 |
| | T | 9.69E-04 | 2.47E-05 | 2.52E-05 | 2.52E-05 | 9.19E-05 | 2.61E-05 | 1.66E-05 | 1.55E-05 | 3.29E-46 | 3.22E-07 | 1.70E-04 |
| T BODY | G | 9.48E-05 | 9.29E-05 | 7.04E-05 | 7.04E-05 | 7.68E-05 | 6.23E-05 | 3.86E-05 | 8.04E-05 | 6.48E-05 | 6.15E-05 | 6.80E-05 |
| | B | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 | 7.48E-05 |
| | T | 1.70E-04 | 1.68E-04 | 1.45E-04 | 1.45E-04 | 1.52E-04 | 1.37E-04 | 1.13E-04 | 1.55E-04 | 1.40E-04 | 1.36E-04 | 1.43E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-FRANSSON, K. AND BEMIS, C. E., JR., NUCL. PHYS. 78 207 (1966)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 53-IODINE-123 (TR=1.302E 01 HOURS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.38E-02 | 4.72E-06 | 7.44E-05 | 3.38E-05 | 2.65E-05 | 1.09E-05 | 4.04E-04 | 1.57E-04 | 7.84E-05 | 7.84E-05 | 5.25E-05 |
| | B | 1.04E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-01 | 4.72E-06 | 7.44E-05 | 3.38E-05 | 2.65E-05 | 1.09E-05 | 4.04E-04 | 1.57E-04 | 7.84E-05 | 7.84E-05 | 5.25E-05 |
| BLAD WALL | G | 3.54E-06 | 3.20E-03 | 7.40E-06 | 7.83E-05 | 6.35E-05 | 2.12E-04 | 8.24E-06 | 4.65E-06 | 1.18E-06 | 1.18E-06 | 5.89E-05 |
| | B | 0.0 | 3.64E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.54E-06 | 6.84E-03 | 7.40E-06 | 7.83E-05 | 6.35E-05 | 2.12E-04 | 8.24E-06 | 4.65E-06 | 1.18E-06 | 1.18E-06 | 5.89E-05 |
| GI TRACT S WALL | G | 8.54E-05 | 7.74E-06 | 2.26E-03 | 1.16E-04 | 1.27E-04 | 5.38E-05 | 1.04E-04 | 5.59E-05 | 5.92E-05 | 5.92E-05 | 4.42E-05 |
| | B | 0.0 | 0.0 | 2.91E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.54E-05 | 7.74E-06 | 5.17E-03 | 1.16E-04 | 1.27E-04 | 5.38E-05 | 1.04E-04 | 5.59E-05 | 5.92E-05 | 5.92E-05 | 4.42E-05 |
| SI+CONT | G | 2.35E-05 | 8.57E-05 | 7.99E-05 | 1.32E-03 | 6.29E-04 | 3.46E-04 | 8.55E-05 | 4.82E-05 | 5.47E-06 | 5.47E-06 | 5.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.82E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.35E-05 | 8.57E-05 | 7.99E-05 | 3.14E-03 | 6.29E-04 | 3.46E-04 | 8.55E-05 | 4.82E-05 | 5.47E-06 | 5.47E-06 | 5.02E-05 |
| ULI WALL | G | 2.62E-05 | 6.47E-05 | 1.14E-04 | 9.94E-04 | 1.88E-03 | 1.52E-04 | 8.51E-05 | 7.73E-05 | 6.63E-06 | 6.63E-06 | 5.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.31E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.62E-05 | 6.47E-05 | 1.14E-04 | 9.94E-04 | 5.18E-03 | 1.52E-04 | 8.51E-05 | 7.73E-05 | 6.63E-06 | 6.63E-06 | 5.32E-05 |
| LLI WALL | G | 6.33E-06 | 2.36E-04 | 3.56E-05 | 2.74E-04 | 1.06E-04 | 2.29E-03 | 2.17E-05 | 6.56E-06 | 2.30E-06 | 2.30E-06 | 5.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.39E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.33E-06 | 2.36E-04 | 3.56E-05 | 2.74E-04 | 1.06E-04 | 7.68E-03 | 2.17E-05 | 6.56E-06 | 2.30E-06 | 2.30E-06 | 5.46E-05 |
| KIDNEYS | G | 4.19E-04 | 7.63E-06 | 1.04E-04 | 9.34E-05 | 8.28E-05 | 2.53E-05 | 3.39E-03 | 1.23E-04 | 2.51E-05 | 2.51E-05 | 4.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.70E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.19E-04 | 7.63E-06 | 1.04E-04 | 9.34E-05 | 8.28E-05 | 2.53E-05 | 8.08E-03 | 1.23E-04 | 2.51E-05 | 2.51E-05 | 4.77E-05 |
| LIVER | G | 1.64E-04 | 5.25E-06 | 5.89E-05 | 5.53E-05 | 7.83E-05 | 7.34E-06 | 1.22E-04 | 1.08E-03 | 8.25E-05 | 8.25E-05 | 3.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.09E-04 | 0.0 | 0.0 | 0.0 |
| | T | 1.64E-04 | 5.25E-06 | 5.89E-05 | 5.53E-05 | 7.83E-05 | 7.34E-06 | 1.22E-04 | 1.89E-03 | 8.25E-05 | 8.25E-05 | 3.54E-05 |
| LUNGS | G | 7.80E-05 | 7.25E-07 | 5.55E-05 | 6.59E-06 | 7.51E-06 | 2.29E-06 | 2.46E-05 | 8.67E-05 | 7.43E-04 | 7.43E-04 | 4.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-03 | 1.46E-03 | 0.0 |
| | T | 7.80E-05 | 7.25E-07 | 5.55E-05 | 6.59E-06 | 7.51E-06 | 2.29E-06 | 2.46E-05 | 8.67E-05 | 2.20E-03 | 2.20E-03 | 4.72E-05 |
| RESP LYM NODE | G | 7.80E-05 | 7.25E-07 | 5.55E-05 | 6.59E-06 | 7.51E-06 | 2.29E-06 | 2.46E-05 | 8.67E-05 | 7.27E-04 | 7.43E-04 | 4.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-03 | 9.70E-02 | 0.0 |
| | T | 7.80E-05 | 7.25E-07 | 5.55E-05 | 6.59E-06 | 7.51E-06 | 2.29E-06 | 2.46E-05 | 8.67E-05 | 1.85E-03 | 9.78E-02 | 4.72E-05 |
| MUSCLE* | G | 5.25E-05 | 5.89E-05 | 4.63E-05 | 5.02E-05 | 4.77E-05 | 5.46E-05 | 4.77E-05 | 3.54E-05 | 4.72E-05 | 4.72E-05 | 5.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.20E-05 |
| | T | 5.25E-05 | 5.89E-05 | 4.63E-05 | 5.02E-05 | 4.77E-05 | 5.46E-05 | 4.77E-05 | 3.54E-05 | 4.72E-05 | 4.72E-05 | 1.05E-04 |
| OVARIES | G | 1.66E-05 | 2.29E-04 | 1.36E-05 | 3.60E-04 | 4.03E-04 | 7.09E-04 | 3.23E-05 | 1.25E-05 | 2.94E-06 | 2.94E-06 | 6.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.66E-05 | 2.29E-04 | 1.36E-05 | 3.60E-04 | 4.03E-04 | 7.09E-04 | 3.23E-05 | 1.25E-05 | 2.94E-06 | 2.94E-06 | 6.86E-05 |

53-IODINE-123 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.82E-04 | 7.02E-06 | 6.45E-04 | 5.88E-05 | 6.68E-05 | 2.06E-05 | 2.04E-04 | 1.31E-04 | 7.96E-05 | 7.96E-05 | 6.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.82E-04 | 7.02E-06 | 6.45E-04 | 5.88E-05 | 6.68E-05 | 2.06E-05 | 2.04E-04 | 1.31E-04 | 7.96E-05 | 7.96E-05 | 6.28E-05 |
| SKELETON BONE | G | 6.53E-05 | 2.46E-05 | 2.60E-05 | 3.71E-05 | 3.36E-05 | 5.47E-05 | 4.42E-05 | 3.43E-05 | 4.79E-05 | 4.79E-05 | 3.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.53E-05 | 2.46E-05 | 2.60E-05 | 3.71E-05 | 3.36E-05 | 5.47E-05 | 4.42E-05 | 3.43E-05 | 4.79E-05 | 4.79E-05 | 3.10E-05 |
| R MARROW | G | 1.15E-04 | 5.89E-05 | 4.45E-05 | 1.28E-04 | 1.11E-04 | 1.82E-04 | 1.16E-04 | 4.69E-05 | 5.97E-05 | 5.97E-05 | 6.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.15E-04 | 5.89E-05 | 4.45E-05 | 1.28E-04 | 1.11E-04 | 1.82E-04 | 1.16E-04 | 4.69E-05 | 5.97E-05 | 5.97E-05 | 6.77E-05 |
| Y MARROW | G | 6.20E-05 | 2.33E-05 | 3.64E-05 | 5.20E-05 | 4.82E-05 | 6.95E-05 | 5.40E-05 | 5.15E-05 | 5.10E-05 | 5.10E-05 | 5.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.20E-05 | 2.33E-05 | 3.64E-05 | 5.20E-05 | 4.82E-05 | 6.95E-05 | 5.40E-05 | 5.15E-05 | 5.10E-05 | 5.10E-05 | 5.23E-05 |
| T E CL | G | 6.53E-05 | 2.46E-05 | 2.60E-05 | 3.71E-05 | 3.36E-05 | 5.47E-05 | 4.42E-05 | 3.43E-05 | 4.79E-05 | 4.79E-05 | 3.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.53E-05 | 2.46E-05 | 2.60E-05 | 3.71E-05 | 3.36E-05 | 5.47E-05 | 4.42E-05 | 3.43E-05 | 4.79E-05 | 4.79E-05 | 3.10E-05 |
| SKIN | G | 1.71E-05 | 1.71E-05 | 1.42E-05 | 1.27E-05 | 1.29E-05 | 1.51E-05 | 1.78E-05 | 1.56E-05 | 1.73E-05 | 1.73E-05 | 2.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.71E-05 | 1.71E-05 | 1.42E-05 | 1.27E-05 | 1.29E-05 | 1.51E-05 | 1.78E-05 | 1.56E-05 | 1.73E-05 | 1.73E-05 | 2.72E-05 |
| SPLEEN | G | 2.09E-04 | 1.34E-05 | 3.27E-04 | 4.48E-05 | 4.05E-05 | 2.26E-05 | 3.09E-04 | 2.63E-05 | 7.62E-05 | 7.62E-05 | 5.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.09E-04 | 1.34E-05 | 3.27E-04 | 4.48E-05 | 4.05E-05 | 2.26E-05 | 3.09E-04 | 2.63E-05 | 7.62E-05 | 7.62E-05 | 5.00E-05 |
| TESTES | G | 1.07E-06 | 1.43E-04 | 1.49E-06 | 9.02E-06 | 8.32E-06 | 5.53E-05 | 2.78E-06 | 2.01E-06 | 2.90E-07 | 2.90E-07 | 3.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.07E-06 | 1.43E-04 | 1.49E-06 | 9.02E-06 | 8.32E-06 | 5.53E-05 | 2.78E-06 | 2.01E-06 | 2.90E-07 | 2.90E-07 | 3.74E-05 |
| THYMUS | G | 1.20E-05 | 3.90E-07 | 7.19E-06 | 2.55E-06 | 3.04E-06 | 8.90E-07 | 5.80E-06 | 1.88E-05 | 1.33E-04 | 1.33E-04 | 8.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.20E-05 | 3.90E-07 | 7.19E-06 | 2.55E-06 | 3.04E-06 | 8.90E-07 | 5.80E-06 | 1.88E-05 | 1.33E-04 | 1.33E-04 | 8.11E-05 |
| THYROID | G | 3.89E-06 | 8.48E-08 | 2.78E-06 | 5.24E-07 | 5.74E-07 | 2.01E-07 | 1.56E-06 | 4.76E-06 | 2.59E-05 | 2.59E-05 | 4.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.89E-06 | 8.48E-08 | 2.78E-06 | 5.24E-07 | 5.74E-07 | 2.01E-07 | 1.56E-06 | 4.76E-06 | 2.59E-05 | 2.59E-05 | 4.93E-05 |
| UTERUS | G | 3.83E-05 | 5.44E-04 | 2.20E-05 | 3.17E-04 | 1.54E-04 | 2.14E-04 | 2.70E-05 | 1.08E-05 | 2.41E-06 | 2.41E-06 | 8.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.83E-05 | 5.44E-04 | 2.20E-05 | 3.17E-04 | 1.54E-04 | 2.14E-04 | 2.70E-05 | 1.08E-05 | 2.41E-06 | 2.41E-06 | 8.07E-05 |
| T BODY | G | 6.15E-05 | 6.75E-05 | 6.46E-05 | 7.15E-05 | 6.97E-05 | 6.98E-05 | 6.12E-05 | 6.23E-05 | 5.58E-05 | 5.58E-05 | 4.92E-05 |
| | B | 2.08E-05 | 2.34E-06 | 6.24E-06 | 1.66E-05 | 9.93E-06 | 1.23E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 |
| | T | 8.23E-05 | 6.98E-05 | 7.09E-05 | 8.81E-05 | 7.97E-05 | 8.22E-05 | 8.20E-05 | 8.31E-05 | 7.66E-05 | 7.66E-05 | 7.00E-05 |

CONTINUED NEXT PAGE

53-IODINE-123 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 9.90E-06 | 2.82E-04 | 3.63E-05 | 3.63E-05 | 7.39E-05 | 3.80E-05 | 2.25E-05 | 2.08E-04 | 1.07E-06 | 3.89E-06 | 6.13E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 9.90E-06 | 2.82E-04 | 3.63E-05 | 3.63E-05 | 7.39E-05 | 3.80E-05 | 2.25E-05 | 2.08E-04 | 1.07E-06 | 3.89E-06 | 8.21E-05 |
| BLAD WALL | G | 2.20E-04 | 4.11E-06 | 1.43E-05 | 1.43E-05 | 2.65E-05 | 1.12E-05 | 1.60E-05 | 3.72E-06 | 1.50E-04 | 8.57E-08 | 6.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 2.20E-04 | 4.11E-06 | 1.43E-05 | 1.43E-05 | 2.65E-05 | 1.12E-05 | 1.60E-05 | 3.72E-06 | 1.50E-04 | 8.57E-08 | 8.31E-05 |
| GI TRACT S WALL | G | 2.26E-05 | 6.68E-04 | 1.65E-05 | 1.65E-05 | 2.87E-05 | 2.32E-05 | 1.71E-05 | 3.25E-04 | 1.16E-06 | 1.37E-06 | 6.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 2.26E-05 | 6.68E-04 | 1.65E-05 | 1.65E-05 | 2.87E-05 | 2.32E-05 | 1.71E-05 | 3.25E-04 | 1.16E-06 | 1.37E-06 | 8.30E-05 |
| SI+CONT | G | 4.34E-04 | 5.22E-05 | 2.23E-05 | 2.23E-05 | 7.82E-05 | 3.18E-05 | 1.37E-05 | 4.04E-05 | 1.07E-05 | 3.09E-07 | 7.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 4.34E-04 | 5.22E-05 | 2.23E-05 | 2.23E-05 | 7.82E-05 | 3.18E-05 | 1.37E-05 | 4.04E-05 | 1.07E-05 | 3.09E-07 | 9.12E-05 |
| ULI WALL | G | 4.28E-04 | 6.24E-05 | 2.09E-05 | 2.09E-05 | 6.39E-05 | 2.76E-05 | 1.42E-05 | 3.98E-05 | 9.05E-06 | 3.11E-07 | 6.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 4.28E-04 | 6.24E-05 | 2.09E-05 | 2.09E-05 | 6.39E-05 | 2.76E-05 | 1.42E-05 | 3.98E-05 | 9.05E-06 | 3.11E-07 | 8.79E-05 |
| LLI WALL | G | 5.69E-04 | 1.59E-05 | 3.23E-05 | 3.23E-05 | 9.43E-05 | 2.85E-05 | 1.44E-05 | 1.76E-05 | 8.21E-05 | 1.64E-07 | 6.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 5.69E-04 | 1.59E-05 | 3.23E-05 | 3.23E-05 | 9.43E-05 | 2.85E-05 | 1.44E-05 | 1.76E-05 | 8.21E-05 | 1.64E-07 | 8.36E-05 |
| KIDNEYS | G | 2.66E-05 | 2.03E-04 | 2.55E-05 | 2.55E-05 | 6.62E-05 | 3.25E-05 | 1.96E-05 | 3.19E-04 | 1.36E-06 | 1.01E-06 | 5.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 2.66E-05 | 2.03E-04 | 2.55E-05 | 2.55E-05 | 6.62E-05 | 3.25E-05 | 1.96E-05 | 3.19E-04 | 1.36E-06 | 1.01E-06 | 7.98E-05 |
| LIVER | G | 1.56E-05 | 1.37E-04 | 1.99E-05 | 1.99E-05 | 2.76E-05 | 3.05E-05 | 1.70E-05 | 2.81E-05 | 9.78E-07 | 2.90E-06 | 6.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 1.56E-05 | 1.37E-04 | 1.99E-05 | 1.99E-05 | 2.76E-05 | 3.05E-05 | 1.70E-05 | 2.81E-05 | 9.78E-07 | 2.90E-06 | 8.10E-05 |
| LUNGS | G | 1.84E-06 | 7.82E-05 | 2.96E-05 | 2.96E-05 | 3.63E-05 | 3.09E-05 | 1.93E-05 | 7.49E-05 | 2.42E-07 | 2.73E-05 | 5.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 1.84E-06 | 7.82E-05 | 2.96E-05 | 2.96E-05 | 3.63E-05 | 3.09E-05 | 1.93E-05 | 7.49E-05 | 2.42E-07 | 2.73E-05 | 7.54E-05 |
| RESP LYM NODE | G | 1.84E-06 | 7.82E-05 | 2.96E-05 | 2.96E-05 | 3.63E-05 | 3.09E-05 | 1.93E-05 | 7.49E-05 | 2.42E-07 | 2.73E-05 | 5.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 1.84E-06 | 7.82E-05 | 2.96E-05 | 2.96E-05 | 3.63E-05 | 3.09E-05 | 1.93E-05 | 7.49E-05 | 2.42E-07 | 2.73E-05 | 7.54E-05 |
| MUSCLE* | G | 6.86E-05 | 6.28E-05 | 3.10E-05 | 3.10E-05 | 3.76E-05 | 2.84E-05 | 2.72E-05 | 5.00E-05 | 3.74E-05 | 4.93E-05 | 4.92E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 6.86E-05 | 6.28E-05 | 3.10E-05 | 3.10E-05 | 3.76E-05 | 2.84E-05 | 2.72E-05 | 5.00E-05 | 3.74E-05 | 4.93E-05 | 7.00E-05 |
| OVARIES | G | 4.02E-02 | 1.06E-05 | 2.39E-05 | 2.39E-05 | 8.69E-05 | 4.19E-05 | 1.20E-05 | 1.36E-05 | 3.58E-46 | 1.89E-07 | 6.53E-05 |
| | B | 1.32E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 1.73E-01 | 1.06E-05 | 2.39E-05 | 2.39E-05 | 8.69E-05 | 4.19E-05 | 1.20E-05 | 1.36E-05 | 3.58E-46 | 1.89E-07 | 8.61E-05 |

53-IODINE-123 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.39E-05 | 1.04E-02 | 2.69E-05 | 2.69E-05 | 4.79E-05 | 3.45E-05 | 1.43E-05 | 7.25E-04 | 1.66E-06 | 2.28E-06 | 6.98E-05 |
| | B | 0.0 | 1.46E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 1.39E-05 | 2.49E-02 | 2.69E-05 | 2.69E-05 | 4.79E-05 | 3.45E-05 | 1.43E-05 | 7.25E-04 | 1.66E-06 | 2.28E-06 | 9.06E-05 |
| SKELETON BONE | G | 4.63E-05 | 4.15E-05 | 2.01E-04 | 2.01E-04 | 1.31E-04 | 1.53E-04 | 3.58E-05 | 3.49E-05 | 2.47E-05 | 2.90E-05 | 7.44E-05 |
| | B | 0.0 | 0.0 | 2.91E-04 | 2.36E-04 | 3.67E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 4.63E-05 | 4.15E-05 | 4.92E-04 | 4.37E-04 | 1.67E-04 | 1.53E-04 | 3.58E-05 | 3.49E-05 | 2.47E-05 | 2.90E-05 | 9.52E-05 |
| R MARROW | G | 1.68E-04 | 7.93E-05 | 1.84E-04 | 1.84E-04 | 4.70E-04 | 1.57E-04 | 3.37E-05 | 4.99E-05 | 1.95E-05 | 3.13E-05 | 8.60E-05 |
| | B | 0.0 | 0.0 | 2.10E-06 | 1.84E-04 | 8.42E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 1.68E-04 | 7.93E-05 | 1.86E-04 | 3.68E-04 | 1.31E-03 | 1.57E-04 | 3.37E-05 | 4.99E-05 | 1.95E-05 | 3.13E-05 | 1.07E-04 |
| Y MARROW | G | 6.28E-05 | 4.76E-05 | 1.80E-04 | 1.80E-04 | 1.72E-04 | 2.85E-04 | 3.93E-05 | 5.24E-05 | 9.13E-06 | 1.49E-05 | 7.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.70E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 6.28E-05 | 4.76E-05 | 1.80E-04 | 1.80E-04 | 1.72E-04 | 1.26E-03 | 3.93E-05 | 5.24E-05 | 9.13E-06 | 1.49E-05 | 9.22E-05 |
| T E CL | G | 4.63E-05 | 4.15E-05 | 1.99E-04 | 1.99E-04 | 1.89E-04 | 1.76E-04 | 3.58E-05 | 3.49E-05 | 2.47E-05 | 2.90E-05 | 7.46E-05 |
| | B | 0.0 | 0.0 | 1.34E-04 | 2.66E-04 | 3.08E-04 | 2.43E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 4.63E-05 | 4.15E-05 | 3.33E-04 | 4.65E-04 | 4.97E-04 | 4.19E-04 | 3.58E-05 | 3.49E-05 | 2.47E-05 | 2.90E-05 | 9.54E-05 |
| SKIN | G | 1.23E-05 | 1.21E-05 | 2.16E-05 | 2.16E-05 | 1.95E-05 | 2.48E-05 | 8.73E-05 | 1.50E-05 | 5.52E-05 | 2.68E-05 | 2.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.60E-04 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 1.23E-05 | 1.21E-05 | 2.16E-05 | 2.16E-05 | 1.95E-05 | 2.48E-05 | 6.47E-04 | 1.50E-05 | 5.52E-05 | 2.68E-05 | 4.89E-05 |
| SPLEEN | G | 1.44E-05 | 7.30E-04 | 1.92E-05 | 1.92E-05 | 2.67E-05 | 3.12E-05 | 1.70E-05 | 6.07E-03 | 7.13E-07 | 3.08E-06 | 6.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.09E-03 | 0.0 | 0.0 | 2.08E-05 |
| | T | 1.44E-05 | 7.30E-04 | 1.92E-05 | 1.92E-05 | 2.67E-05 | 3.12E-05 | 1.70E-05 | 1.42E-02 | 7.13E-07 | 3.08E-06 | 8.30E-05 |
| TESTES | G | 3.58E-46 | 1.71E-06 | 1.82E-05 | 1.82E-05 | 1.15E-05 | 3.09E-05 | 3.71E-05 | 1.58E-06 | 1.75E-02 | 2.36E-08 | 4.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.16E-02 | 0.0 | 2.08E-05 |
| | T | 3.58E-46 | 1.71E-06 | 1.82E-05 | 1.82E-05 | 1.15E-05 | 3.09E-05 | 3.71E-05 | 1.58E-06 | 5.91E-02 | 2.36E-08 | 6.36E-05 |
| THYMUS | G | 8.88E-07 | 1.84E-05 | 1.52E-05 | 1.52E-05 | 2.37E-05 | 2.22E-05 | 1.96E-05 | 9.02E-06 | 1.03E-07 | 1.27E-04 | 6.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 8.88E-07 | 1.84E-05 | 1.52E-05 | 1.52E-05 | 2.37E-05 | 2.22E-05 | 1.96E-05 | 9.02E-06 | 1.03E-07 | 1.27E-04 | 8.91E-05 |
| THYROID | G | 1.89E-07 | 3.63E-06 | 2.52E-05 | 2.52E-05 | 2.04E-05 | 3.45E-05 | 2.54E-05 | 2.73E-06 | 2.36E-08 | 2.44E-02 | 4.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.28E-02 | 2.08E-05 |
| | T | 1.89E-07 | 3.63E-06 | 2.52E-05 | 2.52E-05 | 2.04E-05 | 3.45E-05 | 2.54E-05 | 2.73E-06 | 2.36E-08 | 9.72E-02 | 6.27E-05 |
| UTERUS | G | 7.18E-04 | 1.57E-05 | 1.74E-05 | 1.74E-05 | 6.37E-05 | 1.92E-05 | 1.19E-05 | 1.12E-05 | 3.58E-46 | 1.76E-07 | 7.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-05 |
| | T | 7.18E-04 | 1.57E-05 | 1.74E-05 | 1.74E-05 | 6.37E-05 | 1.92E-05 | 1.19E-05 | 1.12E-05 | 3.58E-46 | 1.76E-07 | 9.30E-05 |
| T BODY | G | 7.32E-05 | 7.19E-05 | 5.56E-05 | 5.56E-05 | 6.01E-05 | 4.96E-05 | 2.96E-05 | 6.23E-05 | 4.98E-05 | 4.81E-05 | 5.29E-05 |
| | B | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 | 2.08E-05 |
| | T | 9.40E-05 | 9.27E-05 | 7.64E-05 | 7.64E-05 | 8.09E-05 | 7.04E-05 | 5.04E-05 | 8.31E-05 | 7.05E-05 | 6.89E-05 | 7.37E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-RAGAINI, R. C. ET AL., NUCL. PHYS. A115, 611 (1968)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 53-IODINE-124 (TR=4.200E 00 DAYS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 9.26E-02 | 4.61E-05 | 4.58E-04 | 2.32E-04 | 1.99E-04 | 9.27E-05 | 2.31E-03 | 9.17E-04 | 4.09E-04 | 4.09E-04 | 2.91E-04 |
| | B | 8.00E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.92E-01 | 4.61E-05 | 4.58E-04 | 2.32E-04 | 1.99E-04 | 9.27E-05 | 2.31E-03 | 9.17E-04 | 4.09E-04 | 4.09E-04 | 2.91E-04 |
| BLAD WALL | G | 3.40E-05 | 1.41E-02 | 8.45E-05 | 5.89E-04 | 3.62E-04 | 1.07E-03 | 7.69E-05 | 5.75E-05 | 1.63E-05 | 1.63E-05 | 3.34E-04 |
| | B | 0.0 | 2.80E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.40E-05 | 4.21E-02 | 8.45E-05 | 5.89E-04 | 3.62E-04 | 1.07E-03 | 7.69E-05 | 5.75E-05 | 1.63E-05 | 1.63E-05 | 3.34E-04 |
| GI TRACT S WALL | G | 5.26E-04 | 7.57E-05 | 9.95E-03 | 6.42E-04 | 6.62E-04 | 3.25E-04 | 6.07E-04 | 3.61E-04 | 3.60E-04 | 3.60E-04 | 2.66E-04 |
| | B | 0.0 | 0.0 | 2.24E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.26E-04 | 7.57E-05 | 3.23E-02 | 6.42E-04 | 6.62E-04 | 3.25E-04 | 6.07E-04 | 3.61E-04 | 3.60E-04 | 3.60E-04 | 2.66E-04 |
| SI+CONT | G | 1.86E-04 | 4.96E-04 | 4.81E-04 | 5.91E-03 | 3.01E-03 | 1.69E-03 | 5.17E-04 | 2.97E-04 | 5.75E-05 | 5.75E-05 | 2.91E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.40E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.86E-04 | 4.96E-04 | 4.81E-04 | 1.99E-02 | 3.01E-03 | 1.69E-03 | 5.17E-04 | 2.97E-04 | 5.75E-05 | 5.75E-05 | 2.91E-04 |
| ULI WALL | G | 1.97E-04 | 4.09E-04 | 6.18E-04 | 4.37E-03 | 8.26E-03 | 7.90E-04 | 5.30E-04 | 4.57E-04 | 7.70E-05 | 7.70E-05 | 3.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.54E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.97E-04 | 4.09E-04 | 6.18E-04 | 4.37E-03 | 3.37E-02 | 7.90E-04 | 5.30E-04 | 4.57E-04 | 7.70E-05 | 7.70E-05 | 3.07E-04 |
| LLI WALL | G | 6.84E-05 | 1.31E-03 | 2.47E-04 | 1.30E-03 | 5.63E-04 | 9.96E-03 | 1.73E-04 | 6.19E-05 | 1.48E-05 | 1.48E-05 | 3.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.15E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.84E-05 | 1.31E-03 | 2.47E-04 | 1.30E-03 | 5.63E-04 | 5.14E-02 | 1.73E-04 | 6.19E-05 | 1.48E-05 | 1.48E-05 | 3.18E-04 |
| KIDNEYS | G | 2.12E-03 | 7.73E-05 | 6.04E-04 | 5.73E-04 | 5.07E-04 | 1.69E-04 | 1.42E-02 | 7.01E-04 | 1.92E-04 | 1.92E-04 | 2.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.12E-03 | 7.73E-05 | 6.04E-04 | 5.73E-04 | 5.07E-04 | 1.69E-04 | 5.03E-02 | 7.01E-04 | 1.92E-04 | 1.92E-04 | 2.73E-04 |
| LIVER | G | 9.06E-04 | 5.70E-05 | 3.78E-04 | 3.41E-04 | 4.62E-04 | 7.18E-05 | 7.31E-04 | 4.90E-03 | 4.45E-04 | 4.45E-04 | 2.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.22E-03 | 0.0 | 0.0 | 0.0 |
| | T | 9.06E-04 | 5.70E-05 | 3.78E-04 | 3.41E-04 | 4.62E-04 | 7.18E-05 | 7.31E-04 | 1.11E-02 | 4.45E-04 | 4.45E-04 | 2.12E-04 |
| LUNGS | G | 4.40E-04 | 1.31E-05 | 3.41E-04 | 6.46E-05 | 7.13E-05 | 2.67E-05 | 1.79E-04 | 4.58E-04 | 2.87E-03 | 2.87E-03 | 2.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-02 | 1.12E-02 | 0.0 |
| | T | 4.40E-04 | 1.31E-05 | 3.41E-04 | 6.46E-05 | 7.13E-05 | 2.67E-05 | 1.79E-04 | 4.58E-04 | 1.41E-02 | 1.41E-02 | 2.54E-04 |
| RESP LYM NODE | G | 4.40E-04 | 1.31E-05 | 3.41E-04 | 6.46E-05 | 7.13E-05 | 2.67E-05 | 1.79E-04 | 4.58E-04 | 2.86E-03 | 2.87E-03 | 2.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.10E-02 | 7.46E-01 | 0.0 |
| | T | 4.40E-04 | 1.31E-05 | 3.41E-04 | 6.46E-05 | 7.13E-05 | 2.67E-05 | 1.79E-04 | 4.58E-04 | 1.38E-02 | 7.49E-01 | 2.54E-04 |
| MUSCLE* | G | 2.91E-04 | 3.34E-04 | 2.66E-04 | 2.91E-04 | 2.79E-04 | 3.18E-04 | 2.73E-04 | 2.12E-04 | 2.54E-04 | 2.54E-04 | 2.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.00E-04 |
| | T | 2.91E-04 | 3.34E-04 | 2.66E-04 | 2.91E-04 | 2.79E-04 | 3.18E-04 | 2.73E-04 | 2.12E-04 | 2.54E-04 | 2.54E-04 | 6.90E-04 |
| OVARIES | G | 8.72E-05 | 1.16E-03 | 1.44E-04 | 1.63E-03 | 2.03E-03 | 3.10E-03 | 2.28E-04 | 9.19E-05 | 3.13E-05 | 3.13E-05 | 3.75E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.72E-05 | 1.16E-03 | 1.44E-04 | 1.63E-03 | 2.03E-03 | 3.10E-03 | 2.28E-04 | 9.19E-05 | 3.13E-05 | 3.13E-05 | 3.75E-04 |

53-IODINE-124 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.58E-03 | 5.41E-05 | 3.21E-03 | 3.69E-04 | 3.62E-04 | 1.38E-04 | 1.20E-03 | 8.25E-04 | 4.79E-04 | 4.79E-04 | 3.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.58E-03 | 5.41E-05 | 3.21E-03 | 3.69E-04 | 3.62E-04 | 1.38E-04 | 1.20E-03 | 8.25E-04 | 4.79E-04 | 4.79E-04 | 3.39E-04 |
| SKELETON BONE | G | 2.59E-04 | 1.08E-04 | 1.12E-04 | 1.47E-04 | 1.35E-04 | 1.99E-04 | 1.85E-04 | 1.40E-04 | 1.90E-04 | 1.90E-04 | 2.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.59E-04 | 1.08E-04 | 1.12E-04 | 1.47E-04 | 1.35E-04 | 1.99E-04 | 1.85E-04 | 1.40E-04 | 1.90E-04 | 1.90E-04 | 2.10E-04 |
| R MARROW | G | 4.58E-04 | 2.26E-04 | 1.89E-04 | 4.62E-04 | 3.99E-04 | 5.97E-04 | 4.66E-04 | 2.01E-04 | 2.39E-04 | 2.39E-04 | 2.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.58E-04 | 2.26E-04 | 1.89E-04 | 4.62E-04 | 3.99E-04 | 5.97E-04 | 4.66E-04 | 2.01E-04 | 2.39E-04 | 2.39E-04 | 2.60E-04 |
| Y MARROW | G | 2.51E-04 | 9.96E-05 | 1.57E-04 | 2.03E-04 | 1.90E-04 | 2.47E-04 | 2.29E-04 | 2.06E-04 | 2.00E-04 | 2.00E-04 | 2.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.51E-04 | 9.96E-05 | 1.57E-04 | 2.03E-04 | 1.90E-04 | 2.47E-04 | 2.29E-04 | 2.06E-04 | 2.00E-04 | 2.00E-04 | 2.12E-04 |
| T E CL | G | 2.59E-04 | 1.08E-04 | 1.12E-04 | 1.47E-04 | 1.35E-04 | 1.99E-04 | 1.85E-04 | 1.40E-04 | 1.90E-04 | 1.90E-04 | 2.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.59E-04 | 1.08E-04 | 1.12E-04 | 1.47E-04 | 1.35E-04 | 1.99E-04 | 1.85E-04 | 1.40E-04 | 1.90E-04 | 1.90E-04 | 2.10E-04 |
| SKIN | G | 1.33E-04 | 1.27E-04 | 1.16E-04 | 1.05E-04 | 1.07E-04 | 1.18E-04 | 1.28E-04 | 1.18E-04 | 1.31E-04 | 1.31E-04 | 1.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.33E-04 | 1.27E-04 | 1.16E-04 | 1.05E-04 | 1.07E-04 | 1.18E-04 | 1.28E-04 | 1.18E-04 | 1.31E-04 | 1.31E-04 | 1.77E-04 |
| SPLEEN | G | 1.16E-03 | 4.56E-05 | 1.75E-03 | 2.99E-04 | 2.43E-04 | 1.83E-04 | 1.55E-03 | 1.90E-04 | 3.91E-04 | 3.91E-04 | 2.79E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-03 | 4.56E-05 | 1.75E-03 | 2.99E-04 | 2.43E-04 | 1.83E-04 | 1.55E-03 | 1.90E-04 | 3.91E-04 | 3.91E-04 | 2.79E-04 |
| TESTES | G | 1.59E-05 | 9.10E-04 | 1.76E-05 | 8.79E-05 | 9.61E-05 | 3.56E-04 | 3.11E-05 | 2.72E-05 | 6.25E-06 | 6.25E-06 | 2.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.59E-05 | 9.10E-04 | 1.76E-05 | 8.79E-05 | 9.61E-05 | 3.56E-04 | 3.11E-05 | 2.72E-05 | 6.25E-06 | 6.25E-06 | 2.43E-04 |
| THYMUS | G | 1.54E-04 | 7.93E-06 | 8.18E-05 | 2.90E-05 | 3.15E-05 | 1.32E-05 | 6.11E-05 | 2.06E-04 | 7.31E-04 | 7.31E-04 | 3.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.54E-04 | 7.93E-06 | 8.18E-05 | 2.90E-05 | 3.15E-05 | 1.32E-05 | 6.11E-05 | 2.06E-04 | 7.31E-04 | 7.31E-04 | 3.43E-04 |
| THYROID | G | 4.11E-05 | 2.89E-06 | 3.15E-05 | 9.61E-06 | 1.02E-05 | 4.83E-06 | 2.06E-05 | 3.71E-05 | 2.15E-04 | 2.15E-04 | 2.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.11E-05 | 2.89E-06 | 3.15E-05 | 9.61E-06 | 1.02E-05 | 4.83E-06 | 2.06E-05 | 3.71E-05 | 2.15E-04 | 2.15E-04 | 2.63E-04 |
| UTERUS | G | 7.44E-05 | 2.73E-03 | 1.74E-04 | 1.58E-03 | 8.68E-04 | 1.04E-03 | 1.64E-04 | 9.19E-05 | 2.74E-05 | 2.74E-05 | 3.87E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.44E-05 | 2.73E-03 | 1.74E-04 | 1.58E-03 | 8.68E-04 | 1.04E-03 | 1.64E-04 | 9.19E-05 | 2.74E-05 | 2.74E-05 | 3.87E-04 |
| T BODY | G | 3.20E-04 | 3.54E-04 | 3.37E-04 | 3.70E-04 | 3.62E-04 | 3.60E-04 | 3.23E-04 | 3.23E-04 | 2.76E-04 | 2.76E-04 | 2.76E-04 |
| | B | 1.60E-04 | 1.80E-05 | 4.80E-05 | 1.28E-04 | 7.63E-05 | 9.48E-05 | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 |
| | T | 4.80E-04 | 3.72E-04 | 3.85E-04 | 4.98E-04 | 4.38E-04 | 4.55E-04 | 4.83E-04 | 4.83E-04 | 4.36E-04 | 4.36E-04 | 4.36E-04 |

CONTINUED NEXT PAGE

53-IODINE-124 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.10E-04 | 1.48E-03 | 3.24E-04 | 3.24E-04 | 3.63E-04 | 1.98E-04 | 1.43E-04 | 1.18E-03 | 1.59E-05 | 4.00E-05 | 4.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.10E-04 | 1.48E-03 | 3.24E-04 | 3.24E-04 | 3.63E-04 | 1.98E-04 | 1.43E-04 | 1.18E-03 | 1.59E-05 | 4.00E-05 | 5.99E-04 |
| BLAD WALL | G | 1.24E-03 | 4.66E-05 | 1.22E-04 | 1.22E-04 | 1.56E-04 | 6.09E-05 | 1.33E-04 | 4.01E-05 | 9.27E-04 | 2.90E-06 | 3.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.24E-03 | 4.66E-05 | 1.22E-04 | 1.22E-04 | 1.56E-04 | 6.09E-05 | 1.33E-04 | 4.01E-05 | 9.27E-04 | 2.90E-06 | 5.09E-04 |
| GI TRACT S WALL | G | 1.67E-04 | 3.19E-03 | 1.09E-04 | 1.09E-04 | 1.93E-04 | 1.41E-04 | 1.23E-04 | 1.83E-03 | 2.26E-05 | 2.67E-05 | 3.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.67E-04 | 3.19E-03 | 1.09E-04 | 1.09E-04 | 1.93E-04 | 1.41E-04 | 1.23E-04 | 1.83E-03 | 2.26E-05 | 2.67E-05 | 4.78E-04 |
| SI+CONT | G | 2.18E-03 | 3.31E-04 | 1.50E-04 | 1.50E-04 | 4.87E-04 | 1.96E-04 | 1.08E-04 | 2.62E-04 | 1.03E-04 | 5.31E-06 | 3.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 2.18E-03 | 3.31E-04 | 1.50E-04 | 1.50E-04 | 4.87E-04 | 1.96E-04 | 1.08E-04 | 2.62E-04 | 1.03E-04 | 5.31E-06 | 5.31E-04 |
| ULI WALL | G | 2.07E-03 | 4.00E-04 | 1.37E-04 | 1.37E-04 | 3.76E-04 | 1.69E-04 | 1.12E-04 | 2.67E-04 | 7.44E-05 | 6.23E-06 | 3.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 2.07E-03 | 4.00E-04 | 1.37E-04 | 1.37E-04 | 3.76E-04 | 1.69E-04 | 1.12E-04 | 2.67E-04 | 7.44E-05 | 6.23E-06 | 5.19E-04 |
| LLI WALL | G | 2.65E-03 | 1.07E-04 | 1.82E-04 | 1.82E-04 | 5.74E-04 | 1.66E-04 | 1.17E-04 | 1.29E-04 | 5.02E-04 | 4.14E-06 | 3.84E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 2.65E-03 | 1.07E-04 | 1.82E-04 | 1.82E-04 | 5.74E-04 | 1.66E-04 | 1.17E-04 | 1.29E-04 | 5.02E-04 | 4.14E-06 | 5.44E-04 |
| KIDNEYS | G | 2.11E-04 | 1.13E-03 | 1.79E-04 | 1.79E-04 | 4.57E-04 | 2.22E-04 | 1.44E-04 | 1.59E-03 | 2.38E-05 | 1.78E-05 | 3.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 2.11E-04 | 1.13E-03 | 1.79E-04 | 1.79E-04 | 4.57E-04 | 2.22E-04 | 1.44E-04 | 1.59E-03 | 2.38E-05 | 1.78E-05 | 4.87E-04 |
| LIVER | G | 1.21E-04 | 7.52E-04 | 1.38E-04 | 1.38E-04 | 1.93E-04 | 2.08E-04 | 1.30E-04 | 2.02E-04 | 1.57E-05 | 3.63E-05 | 3.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.21E-04 | 7.52E-04 | 1.38E-04 | 1.38E-04 | 1.93E-04 | 2.08E-04 | 1.30E-04 | 2.02E-04 | 1.57E-05 | 3.63E-05 | 4.88E-04 |
| LUNGS | G | 2.65E-05 | 4.35E-04 | 1.86E-04 | 1.86E-04 | 2.28E-04 | 1.90E-04 | 1.33E-04 | 4.07E-04 | 4.91E-06 | 2.02E-04 | 2.82E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 2.65E-05 | 4.35E-04 | 1.86E-04 | 1.86E-04 | 2.28E-04 | 1.90E-04 | 1.33E-04 | 4.07E-04 | 4.91E-06 | 2.02E-04 | 4.42E-04 |
| RESP LYM NODE | G | 2.65E-05 | 4.35E-04 | 1.86E-04 | 1.86E-04 | 2.28E-04 | 1.90E-04 | 1.33E-04 | 4.07E-04 | 4.91E-06 | 2.02E-04 | 2.82E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 2.65E-05 | 4.35E-04 | 1.86E-04 | 1.86E-04 | 2.28E-04 | 1.90E-04 | 1.33E-04 | 4.07E-04 | 4.91E-06 | 2.02E-04 | 4.42E-04 |
| MUSCLE* | G | 3.75E-04 | 3.39E-04 | 2.10E-04 | 2.10E-04 | 2.46E-04 | 1.95E-04 | 1.77E-04 | 2.79E-04 | 2.43E-04 | 2.63E-04 | 2.76E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 3.75E-04 | 3.39E-04 | 2.10E-04 | 2.10E-04 | 2.46E-04 | 1.95E-04 | 1.77E-04 | 2.79E-04 | 2.43E-04 | 2.63E-04 | 4.36E-04 |
| OVARIES | G | 1.53E-01 | 1.08E-04 | 1.92E-04 | 1.92E-04 | 6.39E-04 | 1.66E-04 | 8.20E-05 | 1.51E-04 | 2.32E-46 | 4.91E-06 | 3.39E-04 |
| | B | 1.02E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.17E 00 | 1.08E-04 | 1.92E-04 | 1.92E-04 | 6.39E-04 | 1.66E-04 | 8.20E-05 | 1.51E-04 | 2.32E-46 | 4.91E-06 | 4.99E-04 |

53-IODINE-124 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.09E-04 | 4.19E-02 | 1.86E-04 | 1.86E-04 | 2.84E-04 | 2.22E-04 | 1.08E-04 | 3.55E-03 | 1.63E-05 | 2.97E-05 | 3.49E-04 |
| | B | 0.0 | 1.12E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.09E-04 | 1.54E-01 | 1.86E-04 | 1.86E-04 | 2.84E-04 | 2.22E-04 | 1.08E-04 | 3.55E-03 | 1.63E-05 | 2.97E-05 | 5.09E-04 |
| SKELETON BONE | G | 1.73E-04 | 1.71E-04 | 6.87E-04 | 6.87E-04 | 4.59E-04 | 5.16E-04 | 1.66E-04 | 1.46E-04 | 1.23E-04 | 1.42E-04 | 2.88E-04 |
| | B | 0.0 | 0.0 | 2.24E-03 | 1.29E-03 | 6.32E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.73E-04 | 1.71E-04 | 2.93E-03 | 1.98E-03 | 1.09E-03 | 5.16E-04 | 1.66E-04 | 1.46E-04 | 1.23E-04 | 1.42E-04 | 4.48E-04 |
| R MARROW | G | 5.69E-04 | 3.20E-04 | 6.18E-04 | 6.18E-04 | 1.49E-03 | 5.30E-04 | 1.55E-04 | 2.11E-04 | 9.72E-05 | 1.56E-04 | 3.16E-04 |
| | B | 0.0 | 0.0 | 1.64E-04 | 3.16E-03 | 4.92E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 5.69E-04 | 3.20E-04 | 7.82E-04 | 3.78E-03 | 6.41E-03 | 5.30E-04 | 1.55E-04 | 2.11E-04 | 9.72E-05 | 1.56E-04 | 4.76E-04 |
| Y MARROW | G | 2.29E-04 | 2.01E-04 | 5.97E-04 | 5.97E-04 | 5.72E-04 | 8.94E-04 | 1.77E-04 | 2.17E-04 | 5.49E-05 | 7.70E-05 | 2.69E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.46E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 2.29E-04 | 2.01E-04 | 5.97E-04 | 5.97E-04 | 5.72E-04 | 8.36E-03 | 1.77E-04 | 2.17E-04 | 5.49E-05 | 7.70E-05 | 4.29E-04 |
| T E CL | G | 1.73E-04 | 1.71E-04 | 6.86E-04 | 6.86E-04 | 6.26E-04 | 5.75E-04 | 1.66E-04 | 1.46E-04 | 1.23E-04 | 1.42E-04 | 2.88E-04 |
| | B | 0.0 | 0.0 | 1.37E-03 | 1.99E-03 | 2.41E-03 | 1.87E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.73E-04 | 1.71E-04 | 2.06E-03 | 2.67E-03 | 3.03E-03 | 2.44E-03 | 1.66E-04 | 1.46E-04 | 1.23E-04 | 1.42E-04 | 4.48E-04 |
| SKIN | G | 1.01E-04 | 9.99E-05 | 1.66E-04 | 1.66E-04 | 1.45E-04 | 1.83E-04 | 4.07E-04 | 1.20E-04 | 3.08E-04 | 1.71E-04 | 1.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31E-03 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.01E-04 | 9.99E-05 | 1.66E-04 | 1.66E-04 | 1.45E-04 | 1.83E-04 | 4.71E-03 | 1.20E-04 | 3.08E-04 | 1.71E-04 | 3.38E-04 |
| SPLEEN | G | 1.26E-04 | 3.54E-03 | 1.50E-04 | 1.50E-04 | 1.69E-04 | 2.04E-04 | 1.25E-04 | 2.54E-02 | 2.25E-05 | 2.90E-05 | 3.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.22E-02 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.26E-04 | 3.54E-03 | 1.50E-04 | 1.50E-04 | 1.69E-04 | 2.04E-04 | 1.25E-04 | 8.76E-02 | 2.25E-05 | 2.90E-05 | 4.84E-04 |
| TESTES | G | 2.32E-46 | 1.81E-05 | 1.33E-04 | 1.33E-04 | 7.56E-05 | 1.75E-04 | 1.74E-04 | 2.07E-05 | 7.07E-02 | 1.27E-06 | 3.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.20E-01 | 0.0 | 1.60E-04 |
| | T | 2.32E-46 | 1.81E-05 | 1.33E-04 | 1.33E-04 | 7.56E-05 | 1.75E-04 | 1.74E-04 | 2.07E-05 | 3.91E-01 | 1.27E-06 | 4.96E-04 |
| THYMUS | G | 1.40E-05 | 1.08E-04 | 1.35E-04 | 1.35E-04 | 1.22E-04 | 9.62E-05 | 1.53E-04 | 9.04E-05 | 3.27E-06 | 8.17E-04 | 3.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 1.40E-05 | 1.08E-04 | 1.35E-04 | 1.35E-04 | 1.22E-04 | 9.62E-05 | 1.53E-04 | 9.04E-05 | 3.27E-06 | 8.17E-04 | 4.65E-04 |
| THYROID | G | 4.91E-06 | 3.37E-05 | 1.74E-04 | 1.74E-04 | 1.63E-04 | 1.08E-04 | 1.57E-04 | 3.06E-05 | 1.27E-06 | 9.63E-02 | 2.74E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.60E-01 | 1.60E-04 |
| | T | 4.91E-06 | 3.37E-05 | 1.74E-04 | 1.74E-04 | 1.63E-04 | 1.08E-04 | 1.57E-04 | 3.06E-05 | 1.27E-06 | 6.56E-01 | 4.34E-04 |
| UTERUS | G | 3.28E-03 | 1.17E-04 | 1.18E-04 | 1.18E-04 | 3.27E-04 | 1.26E-04 | 1.16E-04 | 8.60E-05 | 2.32E-46 | 4.69E-06 | 3.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-04 |
| | T | 3.28E-03 | 1.17E-04 | 1.18E-04 | 1.18E-04 | 3.27E-04 | 1.26E-04 | 1.16E-04 | 8.60E-05 | 2.32E-46 | 4.69E-06 | 5.14E-04 |
| T BODY | G | 3.77E-04 | 3.70E-04 | 2.76E-04 | 2.76E-04 | 3.05E-04 | 2.48E-04 | 1.79E-04 | 3.22E-04 | 2.74E-04 | 2.51E-04 | 2.76E-04 |
| | B | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 | 1.60E-04 |
| | T | 5.37E-04 | 5.30E-04 | 4.36E-04 | 4.36E-04 | 4.65E-04 | 4.08E-04 | 3.39E-04 | 4.82E-04 | 4.34E-04 | 4.11E-04 | 4.36E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-RAGAINE, R. C. ET AL., PHYS. REV. 187, 1721 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 53-IODINE-125 (TR=6.025E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.23E-02 | 9.25E-09 | 6.41E-06 | 8.74E-07 | 2.19E-06 | 1.15E-07 | 1.94E-04 | 5.13E-05 | 1.35E-05 | 1.35E-05 | 2.33E-05 |
| | B | 7.21E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.44E-02 | 9.25E-09 | 6.41E-06 | 8.74E-07 | 2.19E-06 | 1.15E-07 | 1.94E-04 | 5.13E-05 | 1.35E-05 | 1.35E-05 | 2.33E-05 |
| BLAD WALL | G | 9.77E-09 | 2.27E-03 | 7.62E-08 | 1.03E-05 | 6.85E-06 | 4.90E-05 | 6.23E-08 | 3.34E-08 | 3.36E-09 | 3.36E-09 | 1.88E-05 |
| | B | 0.0 | 2.52E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.77E-09 | 4.79E-03 | 7.62E-08 | 1.03E-05 | 6.85E-06 | 4.90E-05 | 6.23E-08 | 3.34E-08 | 3.36E-09 | 3.36E-09 | 1.88E-05 |
| GI TRACT S WALL | G | 9.88E-06 | 7.95E-08 | 1.54E-03 | 2.79E-05 | 4.27E-05 | 9.13E-06 | 1.43E-05 | 7.57E-06 | 1.53E-05 | 1.53E-05 | 1.47E-05 |
| | B | 0.0 | 0.0 | 2.02E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.88E-06 | 7.95E-08 | 3.55E-03 | 2.79E-05 | 4.27E-05 | 9.13E-06 | 1.43E-05 | 7.57E-06 | 1.53E-05 | 1.53E-05 | 1.47E-05 |
| SI+CONT | G | 7.11E-07 | 9.20E-06 | 1.23E-05 | 8.71E-04 | 3.04E-04 | 1.58E-04 | 1.18E-05 | 5.56E-06 | 9.72E-08 | 9.72E-08 | 1.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.26E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.11E-07 | 9.20E-06 | 1.23E-05 | 2.13E-03 | 3.04E-04 | 1.58E-04 | 1.18E-05 | 5.56E-06 | 9.72E-08 | 9.72E-08 | 1.43E-05 |
| ULI WALL | G | 8.93E-07 | 5.54E-06 | 3.03E-05 | 6.35E-04 | 1.31E-03 | 6.54E-05 | 1.11E-05 | 1.55E-05 | 1.56E-07 | 1.56E-07 | 1.67E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.29E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.93E-07 | 5.54E-06 | 3.03E-05 | 6.35E-04 | 3.60E-03 | 6.54E-05 | 1.11E-05 | 1.55E-05 | 1.56E-07 | 1.56E-07 | 1.67E-05 |
| LLI WALL | G | 8.24E-08 | 6.35E-05 | 3.41E-06 | 1.36E-04 | 3.57E-05 | 1.68E-03 | 1.20E-06 | 6.24E-08 | 1.67E-08 | 1.67E-08 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.74E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.24E-08 | 6.35E-05 | 3.41E-06 | 1.36E-04 | 3.57E-05 | 5.41E-03 | 1.20E-06 | 6.24E-08 | 1.67E-08 | 1.67E-08 | 1.53E-05 |
| KIDNEYS | G | 1.90E-04 | 6.32E-08 | 1.46E-05 | 1.25E-05 | 1.04E-05 | 1.62E-06 | 2.73E-03 | 2.90E-05 | 2.24E-06 | 2.24E-06 | 1.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.26E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.90E-04 | 6.32E-08 | 1.46E-05 | 1.25E-05 | 1.04E-05 | 1.62E-06 | 5.99E-03 | 2.90E-05 | 2.24E-06 | 2.24E-06 | 1.81E-05 |
| LIVER | G | 5.05E-05 | 4.90E-08 | 7.24E-06 | 8.58E-06 | 1.38E-05 | 7.92E-08 | 2.85E-05 | 7.06E-04 | 2.69E-05 | 2.69E-05 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.61E-04 | 0.0 | 0.0 | 0.0 |
| | T | 5.05E-05 | 4.90E-08 | 7.24E-06 | 8.58E-06 | 1.38E-05 | 7.92E-08 | 2.85E-05 | 1.27E-03 | 2.69E-05 | 2.69E-05 | 1.09E-05 |
| LUNGS | G | 1.89E-05 | 8.56E-10 | 1.47E-05 | 1.30E-07 | 1.52E-07 | 1.12E-08 | 2.17E-06 | 3.19E-05 | 6.24E-04 | 6.24E-04 | 2.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.01E-03 | 1.01E-03 | 0.0 |
| | T | 1.89E-05 | 8.56E-10 | 1.47E-05 | 1.30E-07 | 1.52E-07 | 1.12E-08 | 2.17E-06 | 3.19E-05 | 1.63E-03 | 1.63E-03 | 2.10E-05 |
| RESP LYM NODE | G | 1.89E-05 | 8.56E-10 | 1.47E-05 | 1.30E-07 | 1.52E-07 | 1.12E-08 | 2.17E-06 | 3.19E-05 | 5.98E-04 | 6.24E-04 | 2.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.10E-04 | 6.73E-02 | 0.0 |
| | T | 1.89E-05 | 8.56E-10 | 1.47E-05 | 1.30E-07 | 1.52E-07 | 1.12E-08 | 2.17E-06 | 3.19E-05 | 9.08E-04 | 6.79E-02 | 2.10E-05 |
| MUSCLE* | G | 2.33E-05 | 1.88E-05 | 1.47E-05 | 1.43E-05 | 1.32E-05 | 1.53E-05 | 1.81E-05 | 1.09E-05 | 2.10E-05 | 2.10E-05 | 2.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.60E-05 |
| | T | 2.33E-05 | 1.88E-05 | 1.47E-05 | 1.43E-05 | 1.32E-05 | 1.53E-05 | 1.81E-05 | 1.09E-05 | 2.10E-05 | 2.10E-05 | 6.26E-05 |
| OVARIES | G | 7.61E-08 | 4.86E-05 | 6.09E-07 | 1.26E-04 | 1.48E-04 | 3.67E-04 | 1.00E-06 | 3.54E-07 | 1.80E-08 | 1.80E-08 | 2.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.61E-08 | 4.86E-05 | 6.09E-07 | 1.26E-04 | 1.48E-04 | 3.67E-04 | 1.00E-06 | 3.54E-07 | 1.80E-08 | 1.80E-08 | 2.60E-05 |

53-IODINE-125 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 6.93E-05 | 2.70E-08 | 2.67E-04 | 4.51E-06 | 4.94E-06 | 1.03E-06 | 4.39E-05 | 3.01E-05 | 1.58E-05 | 1.58E-05 | 2.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.93E-05 | 2.70E-08 | 2.67E-04 | 4.51E-06 | 4.94E-06 | 1.03E-06 | 4.39E-05 | 3.01E-05 | 1.58E-05 | 1.58E-05 | 2.50E-05 |
| SKELETON BONE | G | 2.67E-05 | 2.16E-06 | 5.61E-06 | 9.85E-06 | 9.03E-06 | 2.47E-05 | 1.40E-05 | 1.09E-05 | 1.93E-05 | 1.93E-05 | 5.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.67E-05 | 2.16E-06 | 5.61E-06 | 9.85E-06 | 9.03E-06 | 2.47E-05 | 1.40E-05 | 1.09E-05 | 1.93E-05 | 1.93E-05 | 5.96E-06 |
| R MARROW | G | 4.18E-05 | 7.12E-06 | 6.79E-06 | 3.92E-05 | 3.58E-05 | 9.92E-05 | 3.72E-05 | 1.07E-05 | 2.24E-05 | 2.24E-05 | 3.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.18E-05 | 7.12E-06 | 6.79E-06 | 3.92E-05 | 3.58E-05 | 9.92E-05 | 3.72E-05 | 1.07E-05 | 2.24E-05 | 2.24E-05 | 3.08E-05 |
| Y MARROW | G | 2.46E-05 | 2.46E-06 | 8.02E-06 | 1.38E-05 | 1.30E-05 | 3.38E-05 | 1.66E-05 | 1.74E-05 | 2.25E-05 | 2.25E-05 | 2.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.46E-05 | 2.46E-06 | 8.02E-06 | 1.38E-05 | 1.30E-05 | 3.38E-05 | 1.66E-05 | 1.74E-05 | 2.25E-05 | 2.25E-05 | 2.53E-05 |
| T E CL | G | 2.67E-05 | 2.16E-06 | 5.61E-06 | 9.85E-06 | 9.03E-06 | 2.47E-05 | 1.40E-05 | 1.09E-05 | 1.93E-05 | 1.93E-05 | 5.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.67E-05 | 2.16E-06 | 5.61E-06 | 9.85E-06 | 9.03E-06 | 2.47E-05 | 1.40E-05 | 1.09E-05 | 1.93E-05 | 1.93E-05 | 5.96E-06 |
| SKIN | G | 3.94E-06 | 3.10E-06 | 2.78E-06 | 1.40E-06 | 1.73E-06 | 2.19E-06 | 4.74E-06 | 3.02E-06 | 3.60E-06 | 3.60E-06 | 1.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.94E-06 | 3.10E-06 | 2.78E-06 | 1.40E-06 | 1.73E-06 | 2.19E-06 | 4.74E-06 | 3.02E-06 | 3.60E-06 | 3.60E-06 | 1.19E-05 |
| SPLEEN | G | 5.83E-05 | 1.88E-08 | 9.35E-05 | 4.72E-06 | 2.96E-06 | 1.13E-06 | 1.29E-04 | 1.50E-06 | 2.37E-05 | 2.37E-05 | 1.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.83E-05 | 1.88E-08 | 9.35E-05 | 4.72E-06 | 2.96E-06 | 1.13E-06 | 1.29E-04 | 1.50E-06 | 2.37E-05 | 2.37E-05 | 1.89E-05 |
| TESTES | G | 6.39E-10 | 2.76E-05 | 3.92E-09 | 1.06E-07 | 1.08E-07 | 7.85E-06 | 3.64E-09 | 2.36E-09 | 2.89E-10 | 2.89E-10 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.39E-10 | 2.76E-05 | 3.92E-09 | 1.06E-07 | 1.08E-07 | 7.85E-06 | 3.64E-09 | 2.36E-09 | 2.89E-10 | 2.89E-10 | 1.09E-05 |
| THYMUS | G | 1.64E-07 | 1.18E-10 | 1.44E-07 | 3.31E-09 | 4.11E-09 | 6.47E-10 | 2.97E-08 | 2.91E-07 | 3.20E-05 | 3.20E-05 | 3.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.64E-07 | 1.18E-10 | 1.44E-07 | 3.31E-09 | 4.11E-09 | 6.47E-10 | 2.97E-08 | 2.91E-07 | 3.20E-05 | 3.20E-05 | 3.35E-05 |
| THYROID | G | 6.40E-09 | 8.70E-12 | 4.18E-09 | 2.02E-10 | 2.42E-10 | 4.88E-11 | 1.30E-09 | 6.90E-09 | 1.47E-06 | 1.47E-06 | 2.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.40E-09 | 8.70E-12 | 4.18E-09 | 2.02E-10 | 2.42E-10 | 4.88E-11 | 1.30E-09 | 6.90E-09 | 1.47E-06 | 1.47E-06 | 2.46E-05 |
| UTERUS | G | 4.12E-08 | 2.05E-04 | 3.95E-07 | 1.02E-04 | 2.51E-05 | 4.02E-05 | 6.41E-07 | 1.89E-07 | 1.38E-08 | 1.38E-08 | 3.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.12E-08 | 2.05E-04 | 3.95E-07 | 1.02E-04 | 2.51E-05 | 4.02E-05 | 6.41E-07 | 1.89E-07 | 1.38E-08 | 1.38E-08 | 3.21E-05 |
| T BODY | G | 2.79E-05 | 2.88E-05 | 2.88E-05 | 2.98E-05 | 2.96E-05 | 2.99E-05 | 2.73E-05 | 2.85E-05 | 2.79E-05 | 2.79E-05 | 2.27E-05 |
| | B | 1.44E-05 | 1.62E-06 | 4.32E-06 | 1.15E-05 | 6.88E-06 | 8.54E-06 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 |
| | T | 4.23E-05 | 3.05E-05 | 3.31E-05 | 4.13E-05 | 3.64E-05 | 3.84E-05 | 4.17E-05 | 4.29E-05 | 4.23E-05 | 4.23E-05 | 3.71E-05 |

CONTINUED NEXT PAGE

53-IODINE-125 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 7.61E-08 | 7.01E-05 | 7.24E-06 | 7.24E-06 | 1.50E-05 | 6.85E-06 | 4.62E-06 | 6.14E-05 | 6.39E-10 | 6.40E-09 | 2.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 7.61E-08 | 7.01E-05 | 7.24E-06 | 7.24E-06 | 1.50E-05 | 6.85E-06 | 4.62E-06 | 6.14E-05 | 6.39E-10 | 6.40E-09 | 3.59E-05 |
| BLAD WALL | G | 4.74E-05 | 2.11E-08 | 5.81E-07 | 5.81E-07 | 2.89E-06 | 1.21E-06 | 3.45E-06 | 2.15E-08 | 3.11E-05 | 9.02E-12 | 2.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 4.74E-05 | 2.11E-08 | 5.81E-07 | 5.81E-07 | 2.89E-06 | 1.21E-06 | 3.45E-06 | 2.15E-08 | 3.11E-05 | 9.02E-12 | 4.14E-05 |
| GI TRACT S WALL | G | 9.98E-07 | 3.12E-04 | 1.97E-06 | 1.97E-06 | 2.39E-06 | 3.46E-06 | 3.71E-06 | 9.69E-05 | 4.54E-09 | 1.24E-08 | 2.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 9.98E-07 | 3.12E-04 | 1.97E-06 | 1.97E-06 | 2.39E-06 | 3.46E-06 | 3.71E-06 | 9.69E-05 | 4.54E-09 | 1.24E-08 | 4.06E-05 |
| SI+CONT | G | 1.85E-04 | 3.46E-06 | 3.18E-06 | 3.18E-06 | 1.24E-05 | 4.85E-06 | 1.58E-06 | 2.79E-06 | 1.22E-07 | 2.03E-10 | 2.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 1.85E-04 | 3.46E-06 | 3.18E-06 | 3.18E-06 | 1.24E-05 | 4.85E-06 | 1.58E-06 | 2.79E-06 | 1.22E-07 | 2.03E-10 | 4.35E-05 |
| ULI WALL | G | 2.20E-04 | 5.10E-06 | 2.70E-06 | 2.70E-06 | 1.13E-05 | 3.80E-06 | 2.18E-06 | 3.95E-06 | 1.16E-07 | 2.46E-10 | 2.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 2.20E-04 | 5.10E-06 | 2.70E-06 | 2.70E-06 | 1.13E-05 | 3.80E-06 | 2.18E-06 | 3.95E-06 | 1.16E-07 | 2.46E-10 | 4.37E-05 |
| LLI WALL | G | 3.06E-04 | 6.05E-07 | 6.73E-06 | 6.73E-06 | 2.54E-05 | 6.49E-06 | 1.63E-06 | 8.67E-07 | 1.24E-05 | 3.79E-11 | 2.79E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 3.06E-04 | 6.05E-07 | 6.73E-06 | 6.73E-06 | 2.54E-05 | 6.49E-06 | 1.63E-06 | 8.67E-07 | 1.24E-05 | 3.79E-11 | 4.23E-05 |
| KIDNEYS | G | 1.05E-06 | 4.46E-05 | 3.43E-06 | 3.43E-06 | 9.47E-06 | 4.87E-06 | 5.32E-06 | 1.28E-04 | 2.84E-09 | 1.30E-09 | 2.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 1.05E-06 | 4.46E-05 | 3.43E-06 | 3.43E-06 | 9.47E-06 | 4.87E-06 | 5.32E-06 | 1.28E-04 | 2.84E-09 | 1.30E-09 | 3.85E-05 |
| LIVER | G | 4.75E-07 | 2.99E-05 | 3.09E-06 | 3.09E-06 | 2.97E-06 | 5.63E-06 | 3.27E-06 | 1.15E-06 | 1.97E-09 | 1.27E-08 | 2.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 4.75E-07 | 2.99E-05 | 3.09E-06 | 3.09E-06 | 2.97E-06 | 5.63E-06 | 3.27E-06 | 1.15E-06 | 1.97E-09 | 1.27E-08 | 4.18E-05 |
| LUNGS | G | 6.31E-09 | 1.59E-05 | 5.97E-06 | 5.97E-06 | 6.86E-06 | 7.76E-06 | 4.68E-06 | 2.34E-05 | 8.56E-11 | 2.26E-06 | 2.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 6.31E-09 | 1.59E-05 | 5.97E-06 | 5.97E-06 | 6.86E-06 | 7.76E-06 | 4.68E-06 | 2.34E-05 | 8.56E-11 | 2.26E-06 | 4.24E-05 |
| RESP LYM NODE | G | 6.31E-09 | 1.59E-05 | 5.97E-06 | 5.97E-06 | 6.86E-06 | 7.76E-06 | 4.68E-06 | 2.34E-05 | 8.56E-11 | 2.26E-06 | 2.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 6.31E-09 | 1.59E-05 | 5.97E-06 | 5.97E-06 | 6.86E-06 | 7.76E-06 | 4.68E-06 | 2.34E-05 | 8.56E-11 | 2.26E-06 | 4.24E-05 |
| MUSCLE* | G | 2.60E-05 | 2.50E-05 | 5.96E-06 | 5.96E-06 | 7.65E-06 | 6.79E-06 | 1.19E-05 | 1.89E-05 | 1.09E-05 | 2.46E-05 | 2.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 2.60E-05 | 2.50E-05 | 5.96E-06 | 5.96E-06 | 7.65E-06 | 6.79E-06 | 1.19E-05 | 1.89E-05 | 1.09E-05 | 2.46E-05 | 3.71E-05 |
| OVARIES | G | 3.77E-02 | 2.04E-07 | 6.93E-06 | 6.93E-06 | 1.14E-05 | 3.04E-06 | 1.38E-06 | 2.11E-07 | 5.98E-46 | 3.36E-11 | 2.75E-05 |
| | B | 9.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 1.29E-01 | 2.04E-07 | 6.93E-06 | 6.93E-06 | 1.14E-05 | 3.04E-06 | 1.38E-06 | 2.11E-07 | 5.98E-46 | 3.36E-11 | 4.19E-05 |

53-IODINE-125 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.79E-07 | 8.97E-03 | 2.82E-06 | 2.82E-06 | 3.98E-06 | 2.66E-06 | 1.59E-06 | 3.69E-04 | 1.58E-09 | 5.73E-09 | 2.88E-05 |
| | B | 0.0 | 1.01E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 1.79E-07 | 1.91E-02 | 2.82E-06 | 2.82E-06 | 3.98E-06 | 2.66E-06 | 1.59E-06 | 3.69E-04 | 1.58E-09 | 5.73E-09 | 4.32E-05 |
| SKELETON BONE | G | 1.43E-05 | 9.16E-06 | 1.55E-04 | 1.55E-04 | 9.78E-05 | 1.25E-04 | 1.78E-05 | 1.08E-05 | 2.15E-06 | 5.41E-06 | 4.23E-05 |
| | B | 0.0 | 0.0 | 2.02E-04 | 1.97E-04 | 3.43E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 1.43E-05 | 9.16E-06 | 3.57E-04 | 3.52E-04 | 1.01E-04 | 1.25E-04 | 1.78E-05 | 1.08E-05 | 2.15E-06 | 5.41E-06 | 5.67E-05 |
| R MARROW | G | 5.92E-05 | 1.67E-05 | 1.45E-04 | 1.45E-04 | 3.99E-04 | 1.26E-04 | 1.61E-05 | 1.13E-05 | 1.25E-06 | 5.02E-06 | 4.78E-05 |
| | B | 0.0 | 0.0 | 1.34E-07 | 1.72E-05 | 6.61E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 5.92E-05 | 1.67E-05 | 1.45E-04 | 1.62E-04 | 1.06E-03 | 1.26E-04 | 1.61E-05 | 1.13E-05 | 1.25E-06 | 5.02E-06 | 6.22E-05 |
| Y MARROW | G | 2.01E-05 | 9.69E-06 | 1.47E-04 | 1.47E-04 | 1.39E-04 | 2.57E-04 | 2.20E-05 | 1.65E-05 | 4.92E-07 | 2.68E-06 | 4.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.73E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 2.01E-05 | 9.69E-06 | 1.47E-04 | 1.47E-04 | 1.39E-04 | 9.30E-04 | 2.20E-05 | 1.65E-05 | 4.92E-07 | 2.68E-06 | 5.77E-05 |
| T E CL | G | 1.43E-05 | 9.16E-06 | 1.52E-04 | 1.52E-04 | 1.53E-04 | 1.50E-04 | 1.78E-05 | 1.08E-05 | 2.15E-06 | 5.41E-06 | 4.25E-05 |
| | B | 0.0 | 0.0 | 2.86E-05 | 5.97E-05 | 2.97E-04 | 1.68E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 1.43E-05 | 9.16E-06 | 1.81E-04 | 2.12E-04 | 4.50E-04 | 3.18E-04 | 1.78E-05 | 1.08E-05 | 2.15E-06 | 5.41E-06 | 5.69E-05 |
| SKIN | G | 9.20E-07 | 9.95E-07 | 4.68E-06 | 4.68E-06 | 4.10E-06 | 6.32E-06 | 7.38E-05 | 2.79E-06 | 3.00E-05 | 1.04E-05 | 1.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.88E-04 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 9.20E-07 | 9.95E-07 | 4.68E-06 | 4.68E-06 | 4.10E-06 | 6.32E-06 | 4.62E-04 | 2.79E-06 | 3.00E-05 | 1.04E-05 | 2.73E-05 |
| SPLEEN | G | 2.15E-07 | 3.58E-04 | 3.95E-06 | 3.95E-06 | 2.80E-06 | 4.45E-06 | 2.87E-06 | 4.87E-03 | 1.33E-09 | 7.18E-09 | 2.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.61E-03 | 0.0 | 0.0 | 1.44E-05 |
| | T | 2.15E-07 | 3.58E-04 | 3.95E-06 | 3.95E-06 | 2.80E-06 | 4.45E-06 | 2.87E-06 | 1.05E-02 | 1.33E-09 | 7.18E-09 | 4.20E-05 |
| TESTES | G | 5.98E-46 | 1.58E-09 | 1.48E-06 | 1.48E-06 | 6.11E-07 | 2.18E-06 | 1.95E-05 | 1.32E-09 | 1.52E-02 | 9.32E-13 | 1.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.88E-02 | 0.0 | 1.44E-05 |
| | T | 5.98E-46 | 1.58E-09 | 1.48E-06 | 1.48E-06 | 6.11E-07 | 2.18E-06 | 1.95E-05 | 1.32E-09 | 4.41E-02 | 9.32E-13 | 3.41E-05 |
| THYMUS | G | 4.76E-10 | 1.90E-07 | 1.61E-06 | 1.61E-06 | 2.55E-06 | 4.73E-06 | 2.93E-06 | 4.43E-08 | 1.22E-11 | 2.01E-05 | 2.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 4.76E-10 | 1.90E-07 | 1.61E-06 | 1.61E-06 | 2.55E-06 | 4.73E-06 | 2.93E-06 | 4.43E-08 | 1.22E-11 | 2.01E-05 | 4.17E-05 |
| THYROID | G | 3.37E-11 | 5.74E-09 | 3.48E-06 | 3.48E-06 | 1.74E-06 | 3.95E-06 | 9.92E-06 | 3.57E-09 | 9.38E-13 | 2.21E-02 | 2.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.05E-02 | 1.44E-05 |
| | T | 3.37E-11 | 5.74E-09 | 3.48E-06 | 3.48E-06 | 1.74E-06 | 3.95E-06 | 9.92E-06 | 3.57E-09 | 9.38E-13 | 7.25E-02 | 3.63E-05 |
| UTERUS | G | 2.67E-04 | 2.38E-07 | 2.14E-06 | 2.14E-06 | 5.61E-06 | 2.08E-06 | 1.22E-06 | 1.05E-07 | 5.98E-46 | 2.97E-11 | 2.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44E-05 |
| | T | 2.67E-04 | 2.38E-07 | 2.14E-06 | 2.14E-06 | 5.61E-06 | 2.08E-06 | 1.22E-06 | 1.05E-07 | 5.98E-46 | 2.97E-11 | 4.20E-05 |
| T BODY | G | 3.03E-05 | 3.02E-05 | 2.81E-05 | 2.81E-05 | 2.85E-05 | 2.71E-05 | 1.43E-05 | 2.87E-05 | 2.28E-05 | 2.46E-05 | 2.55E-05 |
| | B | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 |
| | T | 4.47E-05 | 4.46E-05 | 4.26E-05 | 4.26E-05 | 4.29E-05 | 4.15E-05 | 2.87E-05 | 4.31E-05 | 3.73E-05 | 3.90E-05 | 4.00E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-KARTTUNEN, E. ET AL., NUCL. PHYS. A131, 343 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 53-IODINE-126 (TR=1.300E 01 DAYS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.86E-02 | 1.65E-05 | 1.56E-04 | 9.04E-05 | 7.53E-05 | 3.50E-05 | 9.11E-04 | 3.61E-04 | 1.76E-04 | 1.76E-04 | 1.14E-04 |
| | B | 5.72E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.11E-01 | 1.65E-05 | 1.56E-04 | 9.04E-05 | 7.53E-05 | 3.50E-05 | 9.11E-04 | 3.61E-04 | 1.76E-04 | 1.76E-04 | 1.14E-04 |
| BLAD WALL | G | 1.03E-05 | 5.78E-03 | 3.12E-05 | 2.17E-04 | 1.43E-04 | 4.11E-04 | 2.82E-05 | 2.04E-05 | 5.39E-06 | 5.39E-06 | 1.31E-04 |
| | B | 0.0 | 2.00E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-05 | 2.58E-02 | 3.12E-05 | 2.17E-04 | 1.43E-04 | 4.11E-04 | 2.82E-05 | 2.04E-05 | 5.39E-06 | 5.39E-06 | 1.31E-04 |
| GI TRACT S WALL | G | 2.12E-04 | 2.64E-05 | 4.09E-03 | 2.52E-04 | 2.68E-04 | 1.26E-04 | 2.41E-04 | 1.38E-04 | 1.36E-04 | 1.36E-04 | 1.04E-04 |
| | B | 0.0 | 0.0 | 1.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.12E-04 | 2.64E-05 | 2.01E-02 | 2.52E-04 | 2.68E-04 | 1.26E-04 | 2.41E-04 | 1.38E-04 | 1.36E-04 | 1.36E-04 | 1.04E-04 |
| SI+CONT | G | 6.73E-05 | 1.91E-04 | 1.88E-04 | 2.42E-03 | 1.23E-03 | 6.77E-04 | 1.99E-04 | 1.15E-04 | 1.99E-05 | 1.99E-05 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.00E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.73E-05 | 1.91E-04 | 1.88E-04 | 1.24E-02 | 1.23E-03 | 6.77E-04 | 1.99E-04 | 1.15E-04 | 1.99E-05 | 1.99E-05 | 1.14E-04 |
| ULI WALL | G | 7.50E-05 | 1.62E-04 | 2.39E-04 | 1.79E-03 | 3.39E-03 | 3.12E-04 | 2.06E-04 | 1.82E-04 | 2.66E-05 | 2.66E-05 | 1.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.82E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.50E-05 | 1.62E-04 | 2.39E-04 | 1.79E-03 | 2.16E-02 | 3.12E-04 | 2.06E-04 | 1.82E-04 | 2.66E-05 | 2.66E-05 | 1.20E-04 |
| LLI WALL | G | 2.25E-05 | 5.09E-04 | 9.31E-05 | 5.19E-04 | 2.27E-04 | 4.08E-03 | 6.25E-05 | 2.16E-05 | 6.17E-06 | 6.17E-06 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.97E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.25E-05 | 5.09E-04 | 9.31E-05 | 5.19E-04 | 2.27E-04 | 3.38E-02 | 6.25E-05 | 2.16E-05 | 6.17E-06 | 6.17E-06 | 1.24E-04 |
| KIDNEYS | G | 8.61E-04 | 2.62E-05 | 2.38E-04 | 2.27E-04 | 1.98E-04 | 6.22E-05 | 5.87E-03 | 2.73E-04 | 7.26E-05 | 7.26E-05 | 1.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.58E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.61E-04 | 2.62E-05 | 2.38E-04 | 2.27E-04 | 1.98E-04 | 6.22E-05 | 3.17E-02 | 2.73E-04 | 7.26E-05 | 7.26E-05 | 1.07E-04 |
| LIVER | G | 3.57E-04 | 2.00E-05 | 1.44E-04 | 1.32E-04 | 1.80E-04 | 2.49E-05 | 2.86E-04 | 2.00E-03 | 1.77E-04 | 1.77E-04 | 8.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.45E-03 | 0.0 | 0.0 | 0.0 |
| | T | 3.57E-04 | 2.00E-05 | 1.44E-04 | 1.32E-04 | 1.80E-04 | 2.49E-05 | 2.86E-04 | 6.45E-03 | 1.77E-04 | 1.77E-04 | 8.22E-05 |
| LUNGS | G | 1.72E-04 | 3.86E-06 | 1.33E-04 | 2.35E-05 | 2.50E-05 | 8.18E-06 | 6.80E-05 | 1.80E-04 | 1.20E-03 | 1.20E-03 | 1.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.01E-03 | 8.01E-03 | 0.0 |
| | T | 1.72E-04 | 3.86E-06 | 1.33E-04 | 2.35E-05 | 2.50E-05 | 8.18E-06 | 6.80E-05 | 1.80E-04 | 9.21E-03 | 9.21E-03 | 1.00E-04 |
| RESP LYM NODE | G | 1.72E-04 | 3.86E-06 | 1.33E-04 | 2.35E-05 | 2.50E-05 | 8.18E-06 | 6.80E-05 | 1.80E-04 | 1.19E-03 | 1.20E-03 | 1.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.85E-03 | 5.34E-01 | 0.0 |
| | T | 1.72E-04 | 3.86E-06 | 1.33E-04 | 2.35E-05 | 2.50E-05 | 8.18E-06 | 6.80E-05 | 1.80E-04 | 9.04E-03 | 5.35E-01 | 1.00E-04 |
| MUSCLE* | G | 1.14E-04 | 1.31E-04 | 1.04E-04 | 1.14E-04 | 1.08E-04 | 1.24E-04 | 1.07E-04 | 8.22E-05 | 1.00E-04 | 1.00E-04 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 1.14E-04 | 1.31E-04 | 1.04E-04 | 1.14E-04 | 1.08E-04 | 1.24E-04 | 1.07E-04 | 8.22E-05 | 1.00E-04 | 1.00E-04 | 4.01E-04 |
| OVARIES | G | 3.90E-05 | 4.39E-04 | 5.17E-05 | 6.95E-04 | 8.42E-04 | 1.28E-03 | 9.08E-05 | 2.59E-05 | 1.10E-05 | 1.10E-05 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.90E-05 | 4.39E-04 | 5.17E-05 | 6.95E-04 | 8.42E-04 | 1.28E-03 | 9.08E-05 | 2.59E-05 | 1.10E-05 | 1.10E-05 | 1.48E-04 |

53-IODINE-126 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 6.19E-04 | 1.96E-05 | 1.30E-03 | 1.47E-04 | 1.38E-04 | 5.28E-05 | 4.80E-04 | 3.30E-04 | 1.90E-04 | 1.90E-04 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.19E-04 | 1.96E-05 | 1.30E-03 | 1.47E-04 | 1.38E-04 | 5.28E-05 | 4.80E-04 | 3.30E-04 | 1.90E-04 | 1.90E-04 | 1.34E-04 |
| SKELETON BONE | G | 1.06E-04 | 4.31E-05 | 4.51E-05 | 6.00E-05 | 5.46E-05 | 8.21E-05 | 7.46E-05 | 5.61E-05 | 7.73E-05 | 7.73E-05 | 8.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-04 | 4.31E-05 | 4.51E-05 | 6.00E-05 | 5.46E-05 | 8.21E-05 | 7.46E-05 | 5.61E-05 | 7.73E-05 | 7.73E-05 | 8.01E-05 |
| R MARROW | G | 1.88E-04 | 9.32E-05 | 7.72E-05 | 1.93E-04 | 1.66E-04 | 2.53E-04 | 1.90E-04 | 8.01E-05 | 9.71E-05 | 9.71E-05 | 1.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.88E-04 | 9.32E-05 | 7.72E-05 | 1.93E-04 | 1.66E-04 | 2.53E-04 | 1.90E-04 | 8.01E-05 | 9.71E-05 | 9.71E-05 | 1.07E-04 |
| Y MARROW | G | 1.02E-04 | 3.97E-05 | 6.27E-05 | 8.31E-05 | 7.76E-05 | 1.02E-04 | 9.24E-05 | 8.29E-05 | 8.19E-05 | 8.19E-05 | 8.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.02E-04 | 3.97E-05 | 6.27E-05 | 8.31E-05 | 7.76E-05 | 1.02E-04 | 9.24E-05 | 8.29E-05 | 8.19E-05 | 8.19E-05 | 8.68E-05 |
| T E CL | G | 1.06E-04 | 4.31E-05 | 4.51E-05 | 6.00E-05 | 5.46E-05 | 8.21E-05 | 7.46E-05 | 5.61E-05 | 7.73E-05 | 7.73E-05 | 8.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-04 | 4.31E-05 | 4.51E-05 | 6.00E-05 | 5.46E-05 | 8.21E-05 | 7.46E-05 | 5.61E-05 | 7.73E-05 | 7.73E-05 | 8.01E-05 |
| SKIN | G | 4.97E-05 | 4.74E-05 | 4.24E-05 | 3.85E-05 | 3.94E-05 | 4.25E-05 | 4.81E-05 | 4.36E-05 | 4.89E-05 | 4.89E-05 | 6.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.97E-05 | 4.74E-05 | 4.24E-05 | 3.85E-05 | 3.94E-05 | 4.25E-05 | 4.81E-05 | 4.36E-05 | 4.89E-05 | 4.89E-05 | 6.78E-05 |
| SPLEEN | G | 4.67E-04 | 1.60E-05 | 7.00E-04 | 1.12E-04 | 9.20E-05 | 6.79E-05 | 6.27E-04 | 7.33E-05 | 1.60E-04 | 1.60E-04 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.67E-04 | 1.60E-05 | 7.00E-04 | 1.12E-04 | 9.20E-05 | 6.79E-05 | 6.27E-04 | 7.33E-05 | 1.60E-04 | 1.60E-04 | 1.09E-04 |
| TESTES | G | 5.18E-06 | 3.58E-04 | 4.55E-06 | 2.87E-05 | 3.60E-05 | 1.39E-04 | 1.08E-05 | 1.03E-05 | 1.85E-06 | 1.85E-06 | 9.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.18E-06 | 3.58E-04 | 4.55E-06 | 2.87E-05 | 3.60E-05 | 1.39E-04 | 1.08E-05 | 1.03E-05 | 1.85E-06 | 1.85E-06 | 9.06E-05 |
| THYMUS | G | 5.72E-05 | 2.39E-06 | 2.69E-05 | 1.01E-05 | 1.10E-05 | 4.28E-06 | 2.20E-05 | 8.00E-05 | 2.80E-04 | 2.80E-04 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.72E-05 | 2.39E-06 | 2.69E-05 | 1.01E-05 | 1.10E-05 | 4.28E-06 | 2.20E-05 | 8.00E-05 | 2.80E-04 | 2.80E-04 | 1.34E-04 |
| THYROID | G | 1.42E-05 | 7.56E-07 | 1.10E-05 | 2.97E-06 | 3.17E-06 | 1.38E-06 | 6.89E-06 | 1.39E-05 | 8.60E-05 | 8.60E-05 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.42E-05 | 7.56E-07 | 1.10E-05 | 2.97E-06 | 3.17E-06 | 1.38E-06 | 6.89E-06 | 1.39E-05 | 8.60E-05 | 8.60E-05 | 1.04E-04 |
| UTERUS | G | 4.71E-05 | 1.11E-03 | 6.45E-05 | 6.44E-04 | 3.29E-04 | 4.18E-04 | 6.20E-05 | 3.02E-05 | 7.38E-06 | 7.38E-06 | 1.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.71E-05 | 1.11E-03 | 6.45E-05 | 6.44E-04 | 3.29E-04 | 4.18E-04 | 6.20E-05 | 3.02E-05 | 7.38E-06 | 7.38E-06 | 1.60E-04 |
| T BODY | G | 1.27E-04 | 1.40E-04 | 1.34E-04 | 1.47E-04 | 1.43E-04 | 1.43E-04 | 1.27E-04 | 1.28E-04 | 1.10E-04 | 1.10E-04 | 1.08E-04 |
| | B | 1.14E-04 | 1.29E-05 | 3.43E-05 | 9.16E-05 | 5.46E-05 | 6.78E-05 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 |
| | T | 2.41E-04 | 1.53E-04 | 1.68E-04 | 2.38E-04 | 1.98E-04 | 2.10E-04 | 2.42E-04 | 2.43E-04 | 2.25E-04 | 2.25E-04 | 2.23E-04 |

CONTINUED NEXT PAGE

53-IODINE-126 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 4.06E-05 | 5.88E-04 | 1.22E-04 | 1.22E-04 | 1.56E-04 | 7.30E-05 | 5.29E-05 | 4.67E-04 | 5.18E-06 | 1.42E-05 | 1.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 4.06E-05 | 5.88E-04 | 1.22E-04 | 1.22E-04 | 1.56E-04 | 7.30E-05 | 5.29E-05 | 4.67E-04 | 5.18E-06 | 1.42E-05 | 2.72E-04 |
| BLAD WALL | G | 4.92E-04 | 1.26E-05 | 4.18E-05 | 4.18E-05 | 5.74E-05 | 2.08E-05 | 4.77E-05 | 1.38E-05 | 3.70E-04 | 7.61E-07 | 1.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 4.92E-04 | 1.26E-05 | 4.18E-05 | 4.18E-05 | 5.74E-05 | 2.08E-05 | 4.77E-05 | 1.38E-05 | 3.70E-04 | 7.61E-07 | 2.54E-04 |
| GI TRACT S WALL | G | 5.83E-05 | 1.30E-03 | 4.15E-05 | 4.15E-05 | 7.57E-05 | 5.41E-05 | 4.68E-05 | 7.08E-04 | 7.22E-06 | 8.61E-06 | 1.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 5.83E-05 | 1.30E-03 | 4.15E-05 | 4.15E-05 | 7.57E-05 | 5.41E-05 | 4.68E-05 | 7.08E-04 | 7.22E-06 | 8.61E-06 | 2.48E-04 |
| SI+CONT | G | 8.76E-04 | 1.28E-04 | 5.84E-05 | 5.84E-05 | 1.92E-04 | 7.57E-05 | 4.01E-05 | 9.97E-05 | 3.73E-05 | 1.18E-06 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 8.76E-04 | 1.28E-04 | 5.84E-05 | 5.84E-05 | 1.92E-04 | 7.57E-05 | 4.01E-05 | 9.97E-05 | 3.73E-05 | 1.18E-06 | 2.62E-04 |
| ULI WALL | G | 8.38E-04 | 1.56E-04 | 5.24E-05 | 5.24E-05 | 1.47E-04 | 6.30E-05 | 4.25E-05 | 9.88E-05 | 2.50E-05 | 1.36E-06 | 1.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 8.38E-04 | 1.56E-04 | 5.24E-05 | 5.24E-05 | 1.47E-04 | 6.30E-05 | 4.25E-05 | 9.88E-05 | 2.50E-05 | 1.36E-06 | 2.58E-04 |
| LLI WALL | G | 1.07E-03 | 3.91E-05 | 7.23E-05 | 7.23E-05 | 2.22E-04 | 6.10E-05 | 4.37E-05 | 4.83E-05 | 1.95E-04 | 1.17E-06 | 1.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 1.07E-03 | 3.91E-05 | 7.23E-05 | 7.23E-05 | 2.22E-04 | 6.10E-05 | 4.37E-05 | 4.83E-05 | 1.95E-04 | 1.17E-06 | 2.60E-04 |
| KIDNEYS | G | 7.91E-05 | 4.50E-04 | 7.06E-05 | 7.06E-05 | 1.70E-04 | 8.62E-05 | 5.46E-05 | 6.33E-04 | 7.73E-06 | 4.70E-06 | 1.32E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 7.91E-05 | 4.50E-04 | 7.06E-05 | 7.06E-05 | 1.70E-04 | 8.62E-05 | 5.46E-05 | 6.33E-04 | 7.73E-06 | 4.70E-06 | 2.46E-04 |
| LIVER | G | 4.43E-05 | 2.99E-04 | 5.12E-05 | 5.12E-05 | 7.27E-05 | 7.87E-05 | 4.83E-05 | 7.62E-05 | 4.55E-06 | 1.17E-05 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 4.43E-05 | 2.99E-04 | 5.12E-05 | 5.12E-05 | 7.27E-05 | 7.87E-05 | 4.83E-05 | 7.62E-05 | 4.55E-06 | 1.17E-05 | 2.46E-04 |
| LUNGS | G | 8.51E-06 | 1.73E-04 | 7.17E-05 | 7.17E-05 | 8.77E-05 | 7.36E-05 | 5.00E-05 | 1.61E-04 | 1.28E-06 | 7.69E-05 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 8.51E-06 | 1.73E-04 | 7.17E-05 | 7.17E-05 | 8.77E-05 | 7.36E-05 | 5.00E-05 | 1.61E-04 | 1.28E-06 | 7.69E-05 | 2.29E-04 |
| RESP LYM NODE | G | 8.51E-06 | 1.73E-04 | 7.17E-05 | 7.17E-05 | 8.77E-05 | 7.36E-05 | 5.00E-05 | 1.61E-04 | 1.28E-06 | 7.69E-05 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 8.51E-06 | 1.73E-04 | 7.17E-05 | 7.17E-05 | 8.77E-05 | 7.36E-05 | 5.00E-05 | 1.61E-04 | 1.28E-06 | 7.69E-05 | 2.29E-04 |
| MUSCLE* | G | 1.48E-04 | 1.34E-04 | 8.01E-05 | 8.01E-05 | 9.46E-05 | 7.45E-05 | 6.78E-05 | 1.09E-04 | 9.06E-05 | 1.04E-04 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 1.48E-04 | 1.34E-04 | 8.01E-05 | 8.01E-05 | 9.46E-05 | 7.45E-05 | 6.78E-05 | 1.09E-04 | 9.06E-05 | 1.04E-04 | 2.23E-04 |
| OVARIES | G | 6.40E-02 | 3.73E-05 | 7.36E-05 | 7.36E-05 | 2.31E-04 | 6.75E-05 | 2.89E-05 | 6.29E-05 | 1.75E-46 | 1.39E-06 | 1.23E-04 |
| | B | 7.28E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 7.92E-01 | 3.73E-05 | 7.36E-05 | 7.36E-05 | 2.31E-04 | 6.75E-05 | 2.89E-05 | 6.29E-05 | 1.75E-46 | 1.39E-06 | 2.38E-04 |

53-IODINE-126 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.54E-05 | 1.74E-02 | 6.84E-05 | 6.84E-05 | 1.13E-04 | 8.94E-05 | 4.06E-05 | 1.45E-03 | 4.22E-06 | 5.29E-06 | 1.33E-04 |
| | B | 0.0 | 8.01E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 4.54E-05 | 9.75E-02 | 6.84E-05 | 6.84E-05 | 1.13E-04 | 8.94E-05 | 4.06E-05 | 1.45E-03 | 4.22E-06 | 5.29E-06 | 2.47E-04 |
| SKELETON BONE | G | 7.10E-05 | 6.89E-05 | 2.91E-04 | 2.91E-04 | 1.93E-04 | 2.18E-04 | 6.56E-05 | 5.87E-05 | 4.84E-05 | 5.55E-05 | 1.18E-04 |
| | B | 0.0 | 0.0 | 1.60E-03 | 1.00E-03 | 4.00E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 7.10E-05 | 6.89E-05 | 1.89E-03 | 1.29E-03 | 5.92E-04 | 2.18E-04 | 6.56E-05 | 5.87E-05 | 4.84E-05 | 5.55E-05 | 2.33E-04 |
| R MARROW | G | 2.40E-04 | 1.30E-04 | 2.62E-04 | 2.62E-04 | 6.40E-04 | 2.25E-04 | 6.11E-05 | 8.57E-05 | 3.85E-05 | 6.07E-05 | 1.31E-04 |
| | B | 0.0 | 0.0 | 5.45E-05 | 2.00E-03 | 3.86E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 2.40E-04 | 1.30E-04 | 3.16E-04 | 2.26E-03 | 4.50E-03 | 2.25E-04 | 6.11E-05 | 8.57E-05 | 3.85E-05 | 6.07E-05 | 2.46E-04 |
| Y MARROW | G | 9.50E-05 | 8.06E-05 | 2.55E-04 | 2.55E-04 | 2.43E-04 | 3.83E-04 | 7.02E-05 | 8.79E-05 | 2.05E-05 | 2.95E-05 | 1.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.34E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 9.50E-05 | 8.06E-05 | 2.55E-04 | 2.55E-04 | 2.43E-04 | 5.72E-03 | 7.02E-05 | 8.79E-05 | 2.05E-05 | 2.95E-05 | 2.26E-04 |
| T E CL | G | 7.10E-05 | 6.89E-05 | 2.90E-04 | 2.90E-04 | 2.66E-04 | 2.44E-04 | 6.56E-05 | 5.87E-05 | 4.84E-05 | 5.55E-05 | 1.18E-04 |
| | B | 0.0 | 0.0 | 1.01E-03 | 1.71E-03 | 1.53E-03 | 1.34E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 7.10E-05 | 6.89E-05 | 1.30E-03 | 2.00E-03 | 1.79E-03 | 1.58E-03 | 6.56E-05 | 5.87E-05 | 4.84E-05 | 5.55E-05 | 2.33E-04 |
| SKIN | G | 3.79E-05 | 3.68E-05 | 6.21E-05 | 6.21E-05 | 5.41E-05 | 6.95E-05 | 1.63E-04 | 4.51E-05 | 1.20E-04 | 6.49E-05 | 6.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.08E-03 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 3.79E-05 | 3.68E-05 | 6.21E-05 | 6.21E-05 | 5.41E-05 | 6.95E-05 | 3.24E-03 | 4.51E-05 | 1.20E-04 | 6.49E-05 | 1.82E-04 |
| SPLEEN | G | 4.71E-05 | 1.43E-03 | 6.01E-05 | 6.01E-05 | 6.35E-05 | 7.41E-05 | 4.94E-05 | 1.05E-02 | 7.30E-06 | 1.05E-05 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.45E-02 | 0.0 | 0.0 | 1.14E-04 |
| | T | 4.71E-05 | 1.43E-03 | 6.01E-05 | 6.01E-05 | 6.35E-05 | 7.41E-05 | 4.94E-05 | 5.50E-02 | 7.30E-06 | 1.05E-05 | 2.48E-04 |
| TESTES | G | 1.75E-46 | 5.70E-06 | 4.35E-05 | 4.35E-05 | 2.98E-05 | 6.98E-05 | 6.86E-05 | 6.94E-06 | 2.95E-02 | 2.89E-07 | 1.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.29E-01 | 0.0 | 1.14E-04 |
| | T | 1.75E-46 | 5.70E-06 | 4.35E-05 | 4.35E-05 | 2.98E-05 | 6.98E-05 | 6.86E-05 | 6.94E-06 | 2.58E-01 | 2.89E-07 | 2.44E-04 |
| THYMUS | G | 4.49E-06 | 4.09E-05 | 5.36E-05 | 5.36E-05 | 3.93E-05 | 3.20E-05 | 5.88E-05 | 3.70E-05 | 8.74E-07 | 3.07E-04 | 1.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 4.49E-06 | 4.09E-05 | 5.36E-05 | 5.36E-05 | 3.93E-05 | 3.20E-05 | 5.88E-05 | 3.70E-05 | 8.74E-07 | 3.07E-04 | 2.34E-04 |
| THYROID | G | 1.39E-06 | 1.06E-05 | 6.89E-05 | 6.89E-05 | 6.42E-05 | 4.09E-05 | 6.00E-05 | 1.07E-05 | 2.89E-07 | 4.00E-02 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-01 | 1.14E-04 |
| | T | 1.39E-06 | 1.06E-05 | 6.89E-05 | 6.89E-05 | 6.42E-05 | 4.09E-05 | 6.00E-05 | 1.07E-05 | 2.89E-07 | 4.41E-01 | 2.23E-04 |
| UTERUS | G | 1.35E-03 | 4.47E-05 | 4.80E-05 | 4.80E-05 | 1.36E-04 | 4.79E-05 | 4.26E-05 | 3.52E-05 | 1.75E-46 | 1.32E-06 | 1.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-04 |
| | T | 1.35E-03 | 4.47E-05 | 4.80E-05 | 4.80E-05 | 1.36E-04 | 4.79E-05 | 4.26E-05 | 3.52E-05 | 1.75E-46 | 1.32E-06 | 2.60E-04 |
| T BODY | G | 1.50E-04 | 1.47E-04 | 1.10E-04 | 1.10E-04 | 1.21E-04 | 9.83E-05 | 6.88E-05 | 1.28E-04 | 1.07E-04 | 9.92E-05 | 1.09E-04 |
| | B | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 1.14E-04 |
| | T | 2.64E-04 | 2.61E-04 | 2.24E-04 | 2.24E-04 | 2.35E-04 | 2.13E-04 | 1.83E-04 | 2.42E-04 | 2.22E-04 | 2.14E-04 | 2.24E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-SINGH, B. AND TAYLOR, H. W., NUCL. PHYS.A147, 12 (1970)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 53-IODINE-129 (TB=1.570E 07 YEARS)

DATE OF TABLE 04-10-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.01E-02 | 1.61E-08 | 5.28E-06 | 8.11E-07 | 1.73E-06 | 1.35E-07 | 1.15E-04 | 3.28E-05 | 9.40E-06 | 9.40E-06 | 1.32E-05 |
| | B | 2.31E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.41E-01 | 1.61E-08 | 5.28E-06 | 8.11E-07 | 1.73E-06 | 1.35E-07 | 1.15E-04 | 3.28E-05 | 9.40E-06 | 9.40E-06 | 1.32E-05 |
| BLAD WALL | G | 1.68E-08 | 1.20E-03 | 9.50E-08 | 7.74E-06 | 5.19E-06 | 3.42E-05 | 6.77E-08 | 3.92E-08 | 6.53E-09 | 6.53E-09 | 1.20E-05 |
| | B | 0.0 | 8.07E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.68E-08 | 9.26E-03 | 9.50E-08 | 7.74E-06 | 5.19E-06 | 3.42E-05 | 6.77E-08 | 3.92E-08 | 6.53E-09 | 6.53E-09 | 1.20E-05 |
| GI TRACT S WALL | G | 7.51E-06 | 9.07E-08 | 8.32E-04 | 1.81E-05 | 2.75E-05 | 6.58E-06 | 1.08E-05 | 5.62E-06 | 1.02E-05 | 1.02E-05 | 9.48E-06 |
| | B | 0.0 | 0.0 | 6.45E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.51E-06 | 9.07E-08 | 7.29E-03 | 1.81E-05 | 2.75E-05 | 6.58E-06 | 1.08E-05 | 5.62E-06 | 1.02E-05 | 1.02E-05 | 9.48E-06 |
| SI+CONT | G | 6.56E-07 | 7.17E-06 | 8.97E-06 | 4.58E-04 | 1.83E-04 | 9.51E-05 | 8.71E-06 | 4.07E-06 | 9.49E-08 | 9.49E-08 | 9.15E-06 |
| | B | 0.0 | 0.0 | 0.0 | 4.03E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.56E-07 | 7.17E-06 | 8.97E-06 | 4.49E-03 | 1.83E-04 | 9.51E-05 | 8.71E-06 | 4.07E-06 | 9.49E-08 | 9.49E-08 | 9.15E-06 |
| ULI WALL | G | 8.21E-07 | 4.41E-06 | 2.05E-05 | 3.37E-04 | 6.79E-04 | 3.77E-05 | 8.35E-06 | 1.10E-05 | 1.47E-07 | 1.47E-07 | 1.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.33E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.21E-07 | 4.41E-06 | 2.05E-05 | 3.37E-04 | 8.01E-03 | 3.77E-05 | 8.35E-06 | 1.10E-05 | 1.47E-07 | 1.47E-07 | 1.03E-05 |
| LLI WALL | G | 9.02E-08 | 4.42E-05 | 2.62E-06 | 7.77E-05 | 2.23E-05 | 8.55E-04 | 9.55E-07 | 6.94E-08 | 1.80E-08 | 1.80E-08 | 9.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.20E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.02E-08 | 4.42E-05 | 2.62E-06 | 7.77E-05 | 2.23E-05 | 1.28E-02 | 9.55E-07 | 6.94E-08 | 1.80E-08 | 1.80E-08 | 9.91E-06 |
| KIDNEYS | G | 1.13E-04 | 7.58E-08 | 1.11E-05 | 9.25E-06 | 7.91E-06 | 1.30E-06 | 1.33E-03 | 1.99E-05 | 1.74E-06 | 1.74E-06 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.13E-04 | 7.58E-08 | 1.11E-05 | 9.25E-06 | 7.91E-06 | 1.30E-06 | 1.17E-02 | 1.99E-05 | 1.74E-06 | 1.74E-06 | 1.08E-05 |
| LIVER | G | 3.28E-05 | 5.53E-08 | 5.44E-06 | 6.06E-06 | 9.73E-06 | 9.10E-08 | 1.96E-05 | 3.74E-04 | 1.73E-05 | 1.73E-05 | 6.87E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.79E-03 | 0.0 | 0.0 | 0.0 |
| | T | 3.28E-05 | 5.53E-08 | 5.44E-06 | 6.06E-06 | 9.73E-06 | 9.10E-08 | 1.96E-05 | 2.17E-03 | 1.73E-05 | 1.73E-05 | 6.87E-06 |
| LUNGS | G | 1.29E-05 | 1.65E-09 | 1.00E-05 | 1.25E-07 | 1.53E-07 | 1.70E-08 | 1.71E-06 | 2.03E-05 | 3.03E-04 | 3.03E-04 | 1.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.23E-03 | 3.23E-03 | 0.0 |
| | T | 1.29E-05 | 1.65E-09 | 1.00E-05 | 1.25E-07 | 1.53E-07 | 1.70E-08 | 1.71E-06 | 2.03E-05 | 3.53E-03 | 3.53E-03 | 1.23E-05 |
| RESP LYM NODE | G | 1.29E-05 | 1.65E-09 | 1.00E-05 | 1.25E-07 | 1.53E-07 | 1.70E-08 | 1.71E-06 | 2.03E-05 | 2.89E-04 | 3.03E-04 | 1.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.82E-03 | 2.15E-01 | 0.0 |
| | T | 1.29E-05 | 1.65E-09 | 1.00E-05 | 1.25E-07 | 1.53E-07 | 1.70E-08 | 1.71E-06 | 2.03E-05 | 3.11E-03 | 2.15E-01 | 1.23E-05 |
| MUSCLE* | G | 1.32E-05 | 1.20E-05 | 9.48E-06 | 9.15E-06 | 8.69E-06 | 9.91E-06 | 1.08E-05 | 6.87E-06 | 1.23E-05 | 1.23E-05 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.15E-04 |
| | T | 1.32E-05 | 1.20E-05 | 9.48E-06 | 9.15E-06 | 8.69E-06 | 9.91E-06 | 1.08E-05 | 6.87E-06 | 1.23E-05 | 1.23E-05 | 1.30E-04 |
| OVARIES | G | 1.04E-07 | 3.52E-05 | 6.03E-07 | 7.88E-05 | 9.09E-05 | 2.14E-04 | 9.77E-07 | 3.62E-07 | 3.09E-08 | 3.09E-08 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.04E-07 | 3.52E-05 | 6.03E-07 | 7.88E-05 | 9.09E-05 | 2.14E-04 | 9.77E-07 | 3.62E-07 | 3.09E-08 | 3.09E-08 | 1.53E-05 |

53-IODINE-129 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 4.86E-05 | 4.22E-08 | 1.71E-04 | 3.67E-06 | 3.98E-06 | 8.35E-07 | 3.11E-05 | 2.13E-05 | 1.15E-05 | 1.15E-05 | 1.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.86E-05 | 4.22E-08 | 1.71E-04 | 3.67E-06 | 3.98E-06 | 8.35E-07 | 3.11E-05 | 2.13E-05 | 1.15E-05 | 1.15E-05 | 1.49E-05 |
| SKELETON BONE | G | 1.80E-05 | 1.80E-06 | 4.06E-06 | 6.85E-06 | 6.33E-06 | 1.62E-05 | 9.68E-06 | 7.44E-06 | 1.31E-05 | 1.31E-05 | 3.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.80E-05 | 1.80E-06 | 4.06E-06 | 6.85E-06 | 6.33E-06 | 1.62E-05 | 9.68E-06 | 7.44E-06 | 1.31E-05 | 1.31E-05 | 3.91E-06 |
| R MARROW | G | 2.85E-05 | 5.79E-06 | 5.10E-06 | 2.70E-05 | 2.48E-05 | 6.46E-05 | 2.58E-05 | 7.49E-06 | 1.53E-05 | 1.53E-05 | 1.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.85E-05 | 5.79E-06 | 5.10E-06 | 2.70E-05 | 2.48E-05 | 6.46E-05 | 2.58E-05 | 7.49E-06 | 1.53E-05 | 1.53E-05 | 1.98E-05 |
| Y MARROW | G | 1.66E-05 | 2.02E-06 | 5.84E-06 | 9.60E-06 | 9.11E-06 | 2.21E-05 | 1.16E-05 | 1.19E-05 | 1.51E-05 | 1.51E-05 | 1.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.66E-05 | 2.02E-06 | 5.84E-06 | 9.60E-06 | 9.11E-06 | 2.21E-05 | 1.16E-05 | 1.19E-05 | 1.51E-05 | 1.51E-05 | 1.60E-05 |
| T E CL | G | 1.80E-05 | 1.80E-06 | 4.06E-06 | 6.85E-06 | 6.33E-06 | 1.62E-05 | 9.68E-06 | 7.44E-06 | 1.31E-05 | 1.31E-05 | 3.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.80E-05 | 1.80E-06 | 4.06E-06 | 6.85E-06 | 6.33E-06 | 1.62E-05 | 9.68E-06 | 7.44E-06 | 1.31E-05 | 1.31E-05 | 3.91E-06 |
| SKIN | G | 2.62E-06 | 2.17E-06 | 1.94E-06 | 1.03E-06 | 1.28E-06 | 1.51E-06 | 3.08E-06 | 2.07E-06 | 2.44E-06 | 2.44E-06 | 6.65E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.62E-06 | 2.17E-06 | 1.94E-06 | 1.03E-06 | 1.28E-06 | 1.51E-06 | 3.08E-06 | 2.07E-06 | 2.44E-06 | 2.44E-06 | 6.65E-06 |
| SPLEEN | G | 4.02E-05 | 2.87E-08 | 6.51E-05 | 3.58E-06 | 2.48E-06 | 1.02E-06 | 8.18E-05 | 1.25E-06 | 1.56E-05 | 1.56E-05 | 1.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.02E-05 | 2.87E-08 | 6.51E-05 | 3.58E-06 | 2.48E-06 | 1.02E-06 | 8.18E-05 | 1.25E-06 | 1.56E-05 | 1.56E-05 | 1.16E-05 |
| TESTES | G | 1.30E-09 | 2.05E-05 | 7.15E-09 | 1.12E-07 | 1.14E-07 | 5.93E-06 | 6.75E-09 | 4.39E-09 | 6.07E-10 | 6.07E-10 | 7.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.30E-09 | 2.05E-05 | 7.15E-09 | 1.12E-07 | 1.14E-07 | 5.93E-06 | 6.75E-09 | 4.39E-09 | 6.07E-10 | 6.07E-10 | 7.08E-06 |
| THYMUS | G | 2.12E-07 | 2.49E-10 | 2.26E-07 | 6.14E-09 | 7.51E-09 | 1.28E-09 | 4.88E-08 | 3.33E-07 | 2.24E-05 | 2.24E-05 | 1.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.12E-07 | 2.49E-10 | 2.26E-07 | 6.14E-09 | 7.51E-09 | 1.28E-09 | 4.88E-08 | 3.33E-07 | 2.24E-05 | 2.24E-05 | 1.69E-05 |
| THYROID | G | 1.15E-08 | 1.86E-11 | 7.59E-09 | 4.21E-10 | 5.04E-10 | 1.03E-10 | 2.57E-09 | 1.19E-08 | 1.17E-06 | 1.17E-06 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.15E-08 | 1.86E-11 | 7.59E-09 | 4.21E-10 | 5.04E-10 | 1.03E-10 | 2.57E-09 | 1.19E-08 | 1.17E-06 | 1.17E-06 | 1.41E-05 |
| UTERUS | G | 4.92E-08 | 1.35E-04 | 3.84E-07 | 6.85E-05 | 1.89E-05 | 2.94E-05 | 5.83E-07 | 2.02E-07 | 2.46E-08 | 2.46E-08 | 1.79E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.92E-08 | 1.35E-04 | 3.84E-07 | 6.85E-05 | 1.89E-05 | 2.94E-05 | 5.83E-07 | 2.02E-07 | 2.46E-08 | 2.46E-08 | 1.79E-05 |
| T BODY | G | 1.59E-05 | 1.65E-05 | 1.64E-05 | 1.72E-05 | 1.70E-05 | 1.73E-05 | 1.55E-05 | 1.63E-05 | 1.58E-05 | 1.58E-05 | 1.25E-05 |
| | B | 4.61E-05 | 5.19E-06 | 1.38E-05 | 3.69E-05 | 2.20E-05 | 2.73E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 |
| | T | 6.20E-05 | 2.17E-05 | 3.03E-05 | 5.41E-05 | 3.90E-05 | 4.46E-05 | 6.16E-05 | 6.24E-05 | 6.19E-05 | 6.19E-05 | 5.86E-05 |

CONTINUED NEXT PAGE

53-IODINE-129 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.04E-07 | 4.98E-05 | 4.29E-06 | 4.29E-06 | 9.03E-06 | 4.49E-06 | 2.93E-06 | 4.17E-05 | 1.30E-09 | 1.15E-08 | 1.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.04E-07 | 4.98E-05 | 4.29E-06 | 4.29E-06 | 9.03E-06 | 4.49E-06 | 2.93E-06 | 4.17E-05 | 1.30E-09 | 1.15E-08 | 5.88E-05 |
| ELAD WALL | G | 3.43E-05 | 2.80E-08 | 5.10E-07 | 5.10E-07 | 2.21E-06 | 8.85E-07 | 2.37E-06 | 3.32E-08 | 2.24E-05 | 1.93E-11 | 1.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 3.43E-05 | 2.80E-08 | 5.10E-07 | 5.10E-07 | 2.21E-06 | 8.85E-07 | 2.37E-06 | 3.32E-08 | 2.24E-05 | 1.93E-11 | 6.04E-05 |
| GI TRACT S WALL | G | 8.68E-07 | 1.91E-04 | 1.40E-06 | 1.40E-06 | 1.80E-06 | 2.43E-06 | 2.57E-06 | 6.66E-05 | 8.12E-09 | 2.49E-08 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 8.68E-07 | 1.91E-04 | 1.40E-06 | 1.40E-06 | 1.80E-06 | 2.43E-06 | 2.57E-06 | 6.66E-05 | 8.12E-09 | 2.49E-08 | 6.06E-05 |
| SI+CONT | G | 1.15E-04 | 2.84E-06 | 2.26E-06 | 2.26E-06 | 8.56E-06 | 3.40E-06 | 1.17E-06 | 2.27E-06 | 1.48E-07 | 4.23E-10 | 1.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.15E-04 | 2.84E-06 | 2.26E-06 | 2.26E-06 | 8.56E-06 | 3.40E-06 | 1.17E-06 | 2.27E-06 | 1.48E-07 | 4.23E-10 | 6.29E-05 |
| ULI WALL | G | 1.25E-04 | 4.09E-06 | 1.86E-06 | 1.86E-06 | 7.68E-06 | 2.65E-06 | 1.56E-06 | 3.13E-06 | 1.33E-07 | 5.10E-10 | 1.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.25E-04 | 4.09E-06 | 1.86E-06 | 1.86E-06 | 7.68E-06 | 2.65E-06 | 1.56E-06 | 3.13E-06 | 1.33E-07 | 5.10E-10 | 6.31E-05 |
| LLI WALL | G | 1.76E-04 | 5.49E-07 | 4.40E-06 | 4.40E-06 | 1.65E-05 | 4.30E-06 | 1.21E-06 | 7.47E-07 | 9.21E-06 | 7.99E-11 | 1.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.76E-04 | 5.49E-07 | 4.40E-06 | 4.40E-06 | 1.65E-05 | 4.30E-06 | 1.21E-06 | 7.47E-07 | 9.21E-06 | 7.99E-11 | 6.21E-05 |
| KIDNEYS | G | 9.21E-07 | 3.20E-05 | 2.42E-06 | 2.42E-06 | 6.76E-06 | 3.35E-06 | 3.51E-06 | 8.14E-05 | 5.04E-09 | 2.57E-09 | 1.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 9.21E-07 | 3.20E-05 | 2.42E-06 | 2.42E-06 | 6.76E-06 | 3.35E-06 | 3.51E-06 | 8.14E-05 | 5.04E-09 | 2.57E-09 | 5.96E-05 |
| LIVER | G | 4.29E-07 | 2.10E-05 | 2.15E-06 | 2.15E-06 | 2.11E-06 | 3.87E-06 | 2.27E-06 | 1.02E-06 | 3.57E-09 | 2.43E-08 | 1.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 4.29E-07 | 2.10E-05 | 2.15E-06 | 2.15E-06 | 2.11E-06 | 3.87E-06 | 2.27E-06 | 1.02E-06 | 3.57E-09 | 2.43E-08 | 6.16E-05 |
| LUNGS | G | 1.13E-08 | 1.14E-05 | 4.11E-06 | 4.11E-06 | 4.70E-06 | 5.28E-06 | 3.20E-06 | 1.55E-05 | 1.80E-10 | 1.83E-06 | 1.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.13E-08 | 1.14E-05 | 4.11E-06 | 4.11E-06 | 4.70E-06 | 5.28E-06 | 3.20E-06 | 1.55E-05 | 1.80E-10 | 1.83E-06 | 6.19E-05 |
| RESP LYM NODE | G | 1.13E-08 | 1.14E-05 | 4.11E-06 | 4.11E-06 | 4.70E-06 | 5.28E-06 | 3.20E-06 | 1.55E-05 | 1.80E-10 | 1.83E-06 | 1.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.13E-08 | 1.14E-05 | 4.11E-06 | 4.11E-06 | 4.70E-06 | 5.28E-06 | 3.20E-06 | 1.55E-05 | 1.80E-10 | 1.83E-06 | 6.19E-05 |
| MUSCLE* | G | 1.53E-05 | 1.49E-05 | 3.91E-06 | 3.91E-06 | 4.98E-06 | 4.28E-06 | 6.65E-06 | 1.16E-05 | 7.08E-06 | 1.41E-05 | 1.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.53E-05 | 1.49E-05 | 3.91E-06 | 3.91E-06 | 4.98E-06 | 4.28E-06 | 6.65E-06 | 1.16E-05 | 7.08E-06 | 1.41E-05 | 5.86E-05 |
| OVARIES | G | 1.68E-02 | 2.43E-07 | 4.69E-06 | 4.69E-06 | 8.19E-06 | 2.12E-06 | 1.08E-06 | 2.40E-07 | 3.66E-46 | 7.16E-11 | 1.55E-05 |
| | B | 2.93E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 3.10E-01 | 2.43E-07 | 4.69E-06 | 4.69E-06 | 8.19E-06 | 2.12E-06 | 1.08E-06 | 2.40E-07 | 3.66E-46 | 7.16E-11 | 6.16E-05 |

53-IODINE-129 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.90E-07 | 4.22E-03 | 1.96E-06 | 1.96E-06 | 3.18E-06 | 2.00E-06 | 1.18E-06 | 2.26E-04 | 3.11E-09 | 1.04E-08 | 1.59E-05 |
| | B | 0.0 | 3.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.90E-07 | 3.65E-02 | 1.96E-06 | 1.96E-06 | 3.18E-06 | 2.00E-06 | 1.18E-06 | 2.26E-04 | 3.11E-09 | 1.04E-08 | 6.20E-05 |
| SKELETON BONE | G | 1.02E-05 | 6.75E-06 | 8.57E-05 | 8.57E-05 | 5.41E-05 | 6.87E-05 | 1.09E-05 | 7.48E-06 | 1.80E-06 | 4.09E-06 | 2.51E-05 |
| | B | 0.0 | 0.0 | 6.45E-04 | 5.98E-04 | 3.17E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.02E-05 | 6.75E-06 | 7.31E-04 | 6.84E-04 | 8.58E-05 | 6.87E-05 | 1.09E-05 | 7.48E-06 | 1.80E-06 | 4.09E-06 | 7.12E-05 |
| R MARROW | G | 4.21E-05 | 1.23E-05 | 7.95E-05 | 7.95E-05 | 2.18E-04 | 6.85E-05 | 9.94E-06 | 8.06E-06 | 1.10E-06 | 3.83E-06 | 2.87E-05 |
| | B | 0.0 | 0.0 | 1.24E-06 | 1.58E-04 | 2.04E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 4.21E-05 | 1.23E-05 | 8.08E-05 | 2.38E-04 | 2.26E-03 | 6.85E-05 | 9.94E-06 | 8.06E-06 | 1.10E-06 | 3.83E-06 | 7.48E-05 |
| Y MARROW | G | 1.43E-05 | 7.24E-06 | 8.05E-05 | 8.05E-05 | 7.60E-05 | 1.40E-04 | 1.34E-05 | 1.16E-05 | 4.41E-07 | 2.02E-06 | 2.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.15E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.43E-05 | 7.24E-06 | 8.05E-05 | 8.05E-05 | 7.60E-05 | 2.29E-03 | 1.34E-05 | 1.16E-05 | 4.41E-07 | 2.02E-06 | 7.16E-05 |
| T E CL | G | 1.02E-05 | 6.75E-06 | 8.43E-05 | 8.43E-05 | 8.40E-05 | 8.21E-05 | 1.09E-05 | 7.48E-06 | 1.80E-06 | 4.09E-06 | 2.52E-05 |
| | B | 0.0 | 0.0 | 2.63E-04 | 5.51E-04 | 7.09E-04 | 5.38E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.02E-05 | 6.75E-06 | 3.48E-04 | 6.35E-04 | 7.93E-04 | 6.20E-04 | 1.09E-05 | 7.48E-06 | 1.80E-06 | 4.09E-06 | 7.13E-05 |
| SKIN | G | 7.25E-07 | 7.80E-07 | 2.87E-06 | 2.87E-06 | 2.56E-06 | 3.84E-06 | 3.45E-05 | 1.96E-06 | 1.69E-05 | 6.49E-06 | 6.93E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-03 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 7.25E-07 | 7.80E-07 | 2.87E-06 | 2.87E-06 | 2.56E-06 | 3.84E-06 | 1.28E-03 | 1.96E-06 | 1.69E-05 | 6.49E-06 | 5.30E-05 |
| SPLEEN | G | 2.29E-07 | 2.18E-04 | 2.55E-06 | 2.55E-06 | 2.08E-06 | 3.26E-06 | 2.05E-06 | 2.39E-03 | 2.62E-09 | 1.44E-08 | 1.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.79E-02 | 0.0 | 0.0 | 4.61E-05 |
| | T | 2.29E-07 | 2.18E-04 | 2.55E-06 | 2.55E-06 | 2.08E-06 | 3.26E-06 | 2.05E-06 | 2.03E-02 | 2.62E-09 | 1.44E-08 | 6.19E-05 |
| TESTES | G | 3.66E-46 | 3.11E-09 | 1.13E-06 | 1.13E-06 | 4.88E-07 | 1.78E-06 | 1.13E-05 | 2.61E-09 | 7.13E-03 | 2.00E-12 | 1.13E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.22E-02 | 0.0 | 4.61E-05 |
| | T | 3.66E-46 | 3.11E-09 | 1.13E-06 | 1.13E-06 | 4.88E-07 | 1.78E-06 | 1.13E-05 | 2.61E-09 | 9.93E-02 | 2.00E-12 | 5.74E-05 |
| THYMUS | G | 9.77E-10 | 2.67E-07 | 1.09E-06 | 1.09E-06 | 1.79E-06 | 3.22E-06 | 2.02E-06 | 5.04E-08 | 2.60E-11 | 1.53E-05 | 1.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 9.77E-10 | 2.67E-07 | 1.09E-06 | 1.09E-06 | 1.79E-06 | 3.22E-06 | 2.02E-06 | 5.04E-08 | 2.60E-11 | 1.53E-05 | 6.00E-05 |
| THYROID | G | 7.17E-11 | 1.04E-08 | 2.51E-06 | 2.51E-06 | 1.29E-06 | 3.00E-06 | 6.31E-06 | 6.63E-09 | 2.01E-12 | 1.02E-02 | 1.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.61E-01 | 4.61E-05 |
| | T | 7.17E-11 | 1.04E-08 | 2.51E-06 | 2.51E-06 | 1.29E-06 | 3.00E-06 | 6.31E-06 | 6.63E-09 | 2.01E-12 | 1.72E-01 | 5.75E-05 |
| UTERUS | G | 1.77E-04 | 2.43E-07 | 1.56E-06 | 1.56E-06 | 4.40E-06 | 1.60E-06 | 9.45E-07 | 1.27E-07 | 3.66E-46 | 6.33E-11 | 1.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.61E-05 |
| | T | 1.77E-04 | 2.43E-07 | 1.56E-06 | 1.56E-06 | 4.40E-06 | 1.60E-06 | 9.45E-07 | 1.27E-07 | 3.66E-46 | 6.33E-11 | 6.17E-05 |
| T BODY | G | 1.76E-05 | 1.75E-05 | 1.61E-05 | 1.61E-05 | 1.63E-05 | 1.53E-05 | 7.90E-06 | 1.64E-05 | 1.26E-05 | 1.36E-05 | 1.44E-05 |
| | B | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 | 4.61E-05 |
| | T | 6.37E-05 | 6.36E-05 | 6.22E-05 | 6.22E-05 | 6.24E-05 | 6.14E-05 | 5.40E-05 | 6.25E-05 | 5.87E-05 | 5.97E-05 | 6.05E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-AUGUST 1974

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 53-IODINE-130 (TR=1.250E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.69E-01 | 8.85E-05 | 8.01E-04 | 4.53E-04 | 4.02E-04 | 1.84E-04 | 4.55E-03 | 1.79E-03 | 8.89E-04 | 8.89E-04 | 5.65E-04 |
| | B | 1.09E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.26E 00 | 8.85E-05 | 8.01E-04 | 4.53E-04 | 4.02E-04 | 1.84E-04 | 4.55E-03 | 1.79E-03 | 8.89E-04 | 8.89E-04 | 5.65E-04 |
| BLAD WALL | G | 5.89E-05 | 2.67E-02 | 1.73E-04 | 1.11E-03 | 7.30E-04 | 2.02E-03 | 1.53E-04 | 1.08E-04 | 2.98E-05 | 2.98E-05 | 6.54E-04 |
| | B | 0.0 | 3.83E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.89E-05 | 6.49E-02 | 1.73E-04 | 1.11E-03 | 7.30E-04 | 2.02E-03 | 1.53E-04 | 1.08E-04 | 2.98E-05 | 2.98E-05 | 6.54E-04 |
| GI TRACT S WALL | G | 1.09E-03 | 1.47E-04 | 1.90E-02 | 1.26E-03 | 1.32E-03 | 6.34E-04 | 1.23E-03 | 7.08E-04 | 6.92E-04 | 6.92E-04 | 5.20E-04 |
| | B | 0.0 | 0.0 | 3.06E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.09E-03 | 1.47E-04 | 4.96E-02 | 1.26E-03 | 1.32E-03 | 6.34E-04 | 1.23E-03 | 7.08E-04 | 6.92E-04 | 6.92E-04 | 5.20E-04 |
| SI+CONT | G | 3.55E-04 | 9.76E-04 | 9.56E-04 | 1.13E-02 | 5.92E-03 | 3.27E-03 | 1.02E-03 | 5.85E-04 | 1.09E-04 | 1.09E-04 | 5.70E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.91E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.55E-04 | 9.76E-04 | 9.56E-04 | 3.04E-02 | 5.92E-03 | 3.27E-03 | 1.02E-03 | 5.85E-04 | 1.09E-04 | 1.09E-04 | 5.70E-04 |
| ULI WALL | G | 3.97E-04 | 8.20E-04 | 1.18E-03 | 8.33E-03 | 1.57E-02 | 1.52E-03 | 1.06E-03 | 9.21E-04 | 1.46E-04 | 1.46E-04 | 6.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.48E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.97E-04 | 8.20E-04 | 1.18E-03 | 8.33E-03 | 5.05E-02 | 1.52E-03 | 1.06E-03 | 9.21E-04 | 1.46E-04 | 1.46E-04 | 6.01E-04 |
| LLI WALL | G | 1.19E-04 | 2.54E-03 | 4.83E-04 | 2.49E-03 | 1.14E-03 | 1.88E-02 | 3.26E-04 | 1.14E-04 | 3.13E-05 | 3.13E-05 | 6.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.67E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.19E-04 | 2.54E-03 | 4.83E-04 | 2.49E-03 | 1.14E-03 | 7.55E-02 | 3.26E-04 | 1.14E-04 | 3.13E-05 | 3.13E-05 | 6.24E-04 |
| KIDNEYS | G | 4.17E-03 | 1.40E-04 | 1.21E-03 | 1.16E-03 | 1.02E-03 | 3.20E-04 | 2.66E-02 | 1.37E-03 | 3.80E-04 | 3.80E-04 | 5.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.17E-03 | 1.40E-04 | 1.21E-03 | 1.16E-03 | 1.02E-03 | 3.20E-04 | 7.59E-02 | 1.37E-03 | 3.80E-04 | 3.80E-04 | 5.30E-04 |
| LIVER | G | 1.77E-03 | 1.08E-04 | 7.42E-04 | 6.74E-04 | 9.11E-04 | 1.34E-04 | 1.45E-03 | 9.37E-03 | 8.77E-04 | 8.77E-04 | 4.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.50E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.77E-03 | 1.08E-04 | 7.42E-04 | 6.74E-04 | 9.11E-04 | 1.34E-04 | 1.45E-03 | 1.79E-02 | 8.77E-04 | 8.77E-04 | 4.14E-04 |
| LUNGS | G | 8.64E-04 | 2.24E-05 | 6.73E-04 | 1.26E-04 | 1.36E-04 | 4.56E-05 | 3.58E-04 | 8.88E-04 | 5.30E-03 | 5.30E-03 | 4.93E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.53E-02 | 1.53E-02 | 0.0 |
| | T | 8.64E-04 | 2.24E-05 | 6.73E-04 | 1.26E-04 | 1.36E-04 | 4.56E-05 | 3.58E-04 | 8.88E-04 | 2.06E-02 | 2.06E-02 | 4.93E-04 |
| RESP LYM NODE | G | 8.64E-04 | 2.24E-05 | 6.73E-04 | 1.26E-04 | 1.36E-04 | 4.56E-05 | 3.58E-04 | 8.88E-04 | 5.30E-03 | 5.30E-03 | 4.93E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.53E-02 | 1.02E 00 | 0.0 |
| | T | 8.64E-04 | 2.24E-05 | 6.73E-04 | 1.26E-04 | 1.36E-04 | 4.56E-05 | 3.58E-04 | 8.88E-04 | 2.06E-02 | 1.03E 00 | 4.93E-04 |
| MUSCLE* | G | 5.65E-04 | 6.54E-04 | 5.20E-04 | 5.70E-04 | 5.46E-04 | 6.24E-04 | 5.30E-04 | 4.14E-04 | 4.93E-04 | 4.93E-04 | 5.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.46E-04 |
| | T | 5.65E-04 | 6.54E-04 | 5.20E-04 | 5.70E-04 | 5.46E-04 | 6.24E-04 | 5.30E-04 | 4.14E-04 | 4.93E-04 | 4.93E-04 | 1.11E-03 |
| OVARIES | G | 1.99E-04 | 2.10E-03 | 3.06E-04 | 3.41E-03 | 4.00E-03 | 5.98E-03 | 4.84E-04 | 1.45E-04 | 5.93E-05 | 5.93E-05 | 7.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.99E-04 | 2.10E-03 | 3.06E-04 | 3.41E-03 | 4.00E-03 | 5.98E-03 | 4.84E-04 | 1.45E-04 | 5.93E-05 | 5.93E-05 | 7.31E-04 |

53-IODINE-130 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.13E-03 | 1.01E-04 | 6.29E-03 | 7.57E-04 | 6.99E-04 | 2.75E-04 | 2.45E-03 | 1.69E-03 | 9.58E-04 | 9.58E-04 | 6.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.13E-03 | 1.01E-04 | 6.29E-03 | 7.57E-04 | 6.99E-04 | 2.75E-04 | 2.45E-03 | 1.69E-03 | 9.58E-04 | 9.58E-04 | 6.59E-04 |
| SKELETON BONE | G | 5.02E-04 | 2.14E-04 | 2.21E-04 | 2.90E-04 | 2.63E-04 | 3.81E-04 | 3.61E-04 | 2.69E-04 | 3.67E-04 | 3.67E-04 | 4.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.02E-04 | 2.14E-04 | 2.21E-04 | 2.90E-04 | 2.63E-04 | 3.81E-04 | 3.61E-04 | 2.69E-04 | 3.67E-04 | 3.67E-04 | 4.11E-04 |
| R MARROW | G | 8.96E-04 | 4.53E-04 | 3.80E-04 | 9.11E-04 | 7.79E-04 | 1.14E-03 | 9.11E-04 | 3.90E-04 | 4.64E-04 | 4.64E-04 | 5.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.96E-04 | 4.53E-04 | 3.80E-04 | 9.11E-04 | 7.79E-04 | 1.14E-03 | 9.11E-04 | 3.90E-04 | 4.64E-04 | 4.64E-04 | 5.01E-04 |
| Y MARROW | G | 4.87E-04 | 1.96E-04 | 3.07E-04 | 4.00E-04 | 3.73E-04 | 4.70E-04 | 4.48E-04 | 3.96E-04 | 3.87E-04 | 3.87E-04 | 4.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.87E-04 | 1.96E-04 | 3.07E-04 | 4.00E-04 | 3.73E-04 | 4.70E-04 | 4.48E-04 | 3.96E-04 | 3.87E-04 | 3.87E-04 | 4.09E-04 |
| T E CL | G | 5.02E-04 | 2.14E-04 | 2.21E-04 | 2.90E-04 | 2.63E-04 | 3.81E-04 | 3.61E-04 | 2.69E-04 | 3.67E-04 | 3.67E-04 | 4.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.02E-04 | 2.14E-04 | 2.21E-04 | 2.90E-04 | 2.63E-04 | 3.81E-04 | 3.61E-04 | 2.69E-04 | 3.67E-04 | 3.67E-04 | 4.11E-04 |
| SKIN | G | 2.59E-04 | 2.48E-04 | 2.23E-04 | 2.04E-04 | 2.07E-04 | 2.23E-04 | 2.48E-04 | 2.27E-04 | 2.54E-04 | 2.54E-04 | 3.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.59E-04 | 2.48E-04 | 2.23E-04 | 2.04E-04 | 2.07E-04 | 2.23E-04 | 2.48E-04 | 2.27E-04 | 2.54E-04 | 2.54E-04 | 3.43E-04 |
| SPLEEN | G | 2.32E-03 | 8.71E-05 | 3.48E-03 | 5.79E-04 | 4.75E-04 | 3.64E-04 | 3.06E-03 | 3.87E-04 | 7.91E-04 | 7.91E-04 | 5.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.32E-03 | 8.71E-05 | 3.48E-03 | 5.79E-04 | 4.75E-04 | 3.64E-04 | 3.06E-03 | 3.87E-04 | 7.91E-04 | 7.91E-04 | 5.43E-04 |
| TESTES | G | 2.88E-05 | 1.84E-03 | 2.76E-05 | 1.57E-04 | 1.96E-04 | 6.95E-04 | 5.87E-05 | 5.96E-05 | 1.06E-05 | 1.06E-05 | 4.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.88E-05 | 1.84E-03 | 2.76E-05 | 1.57E-04 | 1.96E-04 | 6.95E-04 | 5.87E-05 | 5.96E-05 | 1.06E-05 | 1.06E-05 | 4.59E-04 |
| THYMUS | G | 3.09E-04 | 1.36E-05 | 1.62E-04 | 5.46E-05 | 5.95E-05 | 2.38E-05 | 1.13E-04 | 4.23E-04 | 1.42E-03 | 1.42E-03 | 5.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.09E-04 | 1.36E-05 | 1.62E-04 | 5.46E-05 | 5.95E-05 | 2.38E-05 | 1.13E-04 | 4.23E-04 | 1.42E-03 | 1.42E-03 | 5.94E-04 |
| THYROID | G | 7.67E-05 | 4.49E-06 | 5.94E-05 | 1.68E-05 | 1.79E-05 | 8.00E-06 | 3.79E-05 | 7.13E-05 | 4.65E-04 | 4.65E-04 | 5.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.67E-05 | 4.49E-06 | 5.94E-05 | 1.68E-05 | 1.79E-05 | 8.00E-06 | 3.79E-05 | 7.13E-05 | 4.65E-04 | 4.65E-04 | 5.08E-04 |
| UTERUS | G | 1.70E-04 | 5.41E-03 | 3.42E-04 | 3.16E-03 | 1.68E-03 | 2.06E-03 | 3.14E-04 | 1.59E-04 | 4.03E-05 | 4.03E-05 | 7.92E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.70E-04 | 5.41E-03 | 3.42E-04 | 3.16E-03 | 1.68E-03 | 2.06E-03 | 3.14E-04 | 1.59E-04 | 4.03E-05 | 4.03E-05 | 7.92E-04 |
| T BODY | G | 6.20E-04 | 6.86E-04 | 6.53E-04 | 7.19E-04 | 7.02E-04 | 6.97E-04 | 6.24E-04 | 6.26E-04 | 5.33E-04 | 5.33E-04 | 5.34E-04 |
| | B | 2.19E-04 | 2.46E-05 | 6.56E-05 | 1.75E-04 | 1.04E-04 | 1.30E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 |
| | T | 8.38E-04 | 7.11E-04 | 7.19E-04 | 8.93E-04 | 8.07E-04 | 8.27E-04 | 8.43E-04 | 8.45E-04 | 7.52E-04 | 7.52E-04 | 7.53E-04 |

CONTINUED NEXT PAGE

53-IODINE-130 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.19E-04 | 2.91E-03 | 6.50E-04 | 6.50E-04 | 7.96E-04 | 3.39E-04 | 2.68E-04 | 2.36E-03 | 2.88E-05 | 7.64E-05 | 7.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 2.19E-04 | 2.91E-03 | 6.50E-04 | 6.50E-04 | 7.96E-04 | 3.39E-04 | 2.68E-04 | 2.36E-03 | 2.88E-05 | 7.64E-05 | 1.01E-03 |
| BLAD WALL | G | 2.50E-03 | 6.56E-05 | 2.18E-04 | 2.18E-04 | 3.09E-04 | 1.05E-04 | 2.54E-04 | 7.86E-05 | 1.90E-03 | 4.52E-06 | 6.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 2.50E-03 | 6.56E-05 | 2.18E-04 | 2.18E-04 | 3.09E-04 | 1.05E-04 | 2.54E-04 | 7.86E-05 | 1.90E-03 | 4.52E-06 | 9.17E-04 |
| GI TRACT S WALL | G | 3.03E-04 | 6.22E-03 | 2.12E-04 | 2.12E-04 | 3.94E-04 | 2.78E-04 | 2.43E-04 | 3.54E-03 | 3.94E-05 | 4.91E-05 | 6.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 3.03E-04 | 6.22E-03 | 2.12E-04 | 2.12E-04 | 3.94E-04 | 2.78E-04 | 2.43E-04 | 3.54E-03 | 3.94E-05 | 4.91E-05 | 8.63E-04 |
| SI+CONT | G | 4.26E-03 | 6.57E-04 | 3.02E-04 | 3.02E-04 | 9.79E-04 | 3.86E-04 | 2.12E-04 | 5.15E-04 | 1.99E-04 | 7.15E-06 | 7.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 4.26E-03 | 6.57E-04 | 3.02E-04 | 3.02E-04 | 9.79E-04 | 3.86E-04 | 2.12E-04 | 5.15E-04 | 1.99E-04 | 7.15E-06 | 9.44E-04 |
| ULI WALL | G | 4.00E-03 | 8.02E-04 | 2.70E-04 | 2.70E-04 | 7.39E-04 | 3.19E-04 | 2.26E-04 | 5.17E-04 | 1.31E-04 | 8.51E-06 | 7.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 4.00E-03 | 8.02E-04 | 2.70E-04 | 2.70E-04 | 7.39E-04 | 3.19E-04 | 2.26E-04 | 5.17E-04 | 1.31E-04 | 8.51E-06 | 9.27E-04 |
| LLI WALL | G | 5.10E-03 | 2.03E-04 | 3.67E-04 | 3.67E-04 | 1.12E-03 | 3.05E-04 | 2.32E-04 | 2.50E-04 | 9.80E-04 | 6.78E-06 | 7.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 5.10E-03 | 2.03E-04 | 3.67E-04 | 3.67E-04 | 1.12E-03 | 3.05E-04 | 2.32E-04 | 2.50E-04 | 9.80E-04 | 6.78E-06 | 9.45E-04 |
| KIDNEYS | G | 4.16E-04 | 2.26E-03 | 3.73E-04 | 3.73E-04 | 8.77E-04 | 4.45E-04 | 2.82E-04 | 3.08E-03 | 4.41E-05 | 2.80E-05 | 6.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 4.16E-04 | 2.26E-03 | 3.73E-04 | 3.73E-04 | 8.77E-04 | 4.45E-04 | 2.82E-04 | 3.08E-03 | 4.41E-05 | 2.80E-05 | 8.73E-04 |
| LIVER | G | 2.33E-04 | 1.50E-03 | 2.65E-04 | 2.65E-04 | 3.76E-04 | 4.07E-04 | 2.52E-04 | 3.98E-04 | 2.64E-05 | 6.39E-05 | 6.50E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 2.33E-04 | 1.50E-03 | 2.65E-04 | 2.65E-04 | 3.76E-04 | 4.07E-04 | 2.52E-04 | 3.98E-04 | 2.64E-05 | 6.39E-05 | 8.68E-04 |
| LUNGS | G | 4.80E-05 | 8.68E-04 | 3.66E-04 | 3.66E-04 | 4.47E-04 | 3.75E-04 | 2.57E-04 | 8.00E-04 | 7.48E-06 | 4.05E-04 | 5.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 4.80E-05 | 8.68E-04 | 3.66E-04 | 3.66E-04 | 4.47E-04 | 3.75E-04 | 2.57E-04 | 8.00E-04 | 7.48E-06 | 4.05E-04 | 7.73E-04 |
| RESP LYM NODE | G | 4.80E-05 | 8.68E-04 | 3.66E-04 | 3.66E-04 | 4.47E-04 | 3.75E-04 | 2.57E-04 | 8.00E-04 | 7.48E-06 | 4.05E-04 | 5.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 4.80E-05 | 8.68E-04 | 3.66E-04 | 3.66E-04 | 4.47E-04 | 3.75E-04 | 2.57E-04 | 8.00E-04 | 7.48E-06 | 4.05E-04 | 7.73E-04 |
| MUSCLE* | G | 7.31E-04 | 6.59E-04 | 4.11E-04 | 4.11E-04 | 4.84E-04 | 3.82E-04 | 3.43E-04 | 5.43E-04 | 4.59E-04 | 5.08E-04 | 5.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 7.31E-04 | 6.59E-04 | 4.11E-04 | 4.11E-04 | 4.84E-04 | 3.82E-04 | 3.43E-04 | 5.43E-04 | 4.59E-04 | 5.08E-04 | 7.53E-04 |
| OVARIES | G | 2.78E-01 | 2.20E-04 | 3.84E-04 | 3.84E-04 | 1.21E-03 | 3.28E-04 | 1.53E-04 | 3.28E-04 | 7.38E-48 | 8.07E-06 | 5.85E-04 |
| | B | 1.39E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 1.67E 00 | 2.20E-04 | 3.84E-04 | 3.84E-04 | 1.21E-03 | 3.28E-04 | 1.53E-04 | 3.28E-04 | 7.38E-48 | 8.07E-06 | 8.04E-04 |

53-IODINE-130 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 2.51E-04 | 7.75E-02 | 3.50E-04 | 3.50E-04 | 5.65E-04 | 4.50E-04 | 2.07E-04 | 6.97E-03 | 2.33E-05 | 2.79E-05 | 6.28E-04 |
| | B | 0.0 | 1.53E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 2.51E-04 | 2.30E-01 | 3.50E-04 | 3.50E-04 | 5.65E-04 | 4.50E-04 | 2.07E-04 | 6.97E-03 | 2.33E-05 | 2.79E-05 | 8.47E-04 |
| SKELETON BONE | G | 3.38E-04 | 3.36E-04 | 1.27E-03 | 1.27E-03 | 8.50E-04 | 9.45E-04 | 3.17E-04 | 2.84E-04 | 2.45E-04 | 2.78E-04 | 5.47E-04 |
| | B | 0.0 | 0.0 | 3.06E-03 | 1.92E-03 | 7.60E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 3.38E-04 | 3.36E-04 | 4.33E-03 | 3.19E-03 | 1.61E-03 | 9.45E-04 | 3.17E-04 | 2.84E-04 | 2.45E-04 | 2.78E-04 | 7.66E-04 |
| R MARROW | G | 1.12E-03 | 6.32E-04 | 1.14E-03 | 1.14E-03 | 2.71E-03 | 9.79E-04 | 2.95E-04 | 4.18E-04 | 1.94E-04 | 3.05E-04 | 6.03E-04 |
| | B | 0.0 | 0.0 | 8.66E-05 | 3.80E-03 | 7.44E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 1.12E-03 | 6.32E-04 | 1.23E-03 | 4.94E-03 | 1.01E-02 | 9.79E-04 | 2.95E-04 | 4.18E-04 | 1.94E-04 | 3.05E-04 | 8.21E-04 |
| Y MARROW | G | 4.50E-04 | 3.95E-04 | 1.10E-03 | 1.10E-03 | 1.05E-03 | 1.60E-03 | 3.35E-04 | 4.26E-04 | 1.06E-04 | 1.48E-04 | 5.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 4.50E-04 | 3.95E-04 | 1.10E-03 | 1.10E-03 | 1.05E-03 | 1.18E-02 | 3.35E-04 | 4.26E-04 | 1.06E-04 | 1.48E-04 | 7.30E-04 |
| T E CL | G | 3.38E-04 | 3.36E-04 | 1.27E-03 | 1.27E-03 | 1.15E-03 | 1.04E-03 | 3.17E-04 | 2.84E-04 | 2.45E-04 | 2.78E-04 | 5.47E-04 |
| | B | 0.0 | 0.0 | 1.95E-03 | 3.41E-03 | 2.82E-03 | 2.55E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 3.38E-04 | 3.36E-04 | 3.23E-03 | 4.69E-03 | 3.97E-03 | 3.59E-03 | 3.17E-04 | 2.84E-04 | 2.45E-04 | 2.78E-04 | 7.66E-04 |
| SKIN | G | 2.01E-04 | 1.96E-04 | 3.22E-04 | 3.22E-04 | 2.79E-04 | 3.59E-04 | 7.55E-04 | 2.37E-04 | 5.87E-04 | 3.28E-04 | 3.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.88E-03 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 2.01E-04 | 1.96E-04 | 3.22E-04 | 3.22E-04 | 2.79E-04 | 3.59E-04 | 6.64E-03 | 2.37E-04 | 5.87E-04 | 3.28E-04 | 5.58E-04 |
| SPLEEN | G | 2.47E-04 | 6.89E-03 | 3.16E-04 | 3.16E-04 | 3.31E-04 | 3.83E-04 | 2.61E-04 | 4.76E-02 | 4.00E-05 | 5.83E-05 | 6.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.50E-02 | 0.0 | 0.0 | 2.19E-04 |
| | T | 2.47E-04 | 6.89E-03 | 3.16E-04 | 3.16E-04 | 3.31E-04 | 3.83E-04 | 2.61E-04 | 1.33E-01 | 4.00E-05 | 5.83E-05 | 8.73E-04 |
| TESTES | G | 7.38E-48 | 3.17E-05 | 2.27E-04 | 2.27E-04 | 1.58E-04 | 3.54E-04 | 3.23E-04 | 3.82E-05 | 1.31E-01 | 1.77E-06 | 6.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-01 | 0.0 | 2.19E-04 |
| | T | 7.38E-48 | 3.17E-05 | 2.27E-04 | 2.27E-04 | 1.58E-04 | 3.54E-04 | 3.23E-04 | 3.82E-05 | 5.68E-01 | 1.77E-06 | 8.92E-04 |
| THYMUS | G | 2.51E-05 | 2.01E-04 | 2.90E-04 | 2.90E-04 | 2.00E-04 | 1.49E-04 | 3.03E-04 | 2.03E-04 | 5.17E-06 | 1.56E-03 | 5.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 2.51E-05 | 2.01E-04 | 2.90E-04 | 2.90E-04 | 2.00E-04 | 1.49E-04 | 3.03E-04 | 2.03E-04 | 5.17E-06 | 1.56E-03 | 7.60E-04 |
| THYROID | G | 8.07E-06 | 5.17E-05 | 3.43E-04 | 3.43E-04 | 3.40E-04 | 1.81E-04 | 2.97E-04 | 5.78E-05 | 1.78E-06 | 1.77E-01 | 5.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.65E-01 | 2.19E-04 |
| | T | 8.07E-06 | 5.17E-05 | 3.43E-04 | 3.43E-04 | 3.40E-04 | 1.81E-04 | 2.97E-04 | 5.78E-05 | 1.78E-06 | 9.42E-01 | 7.65E-04 |
| UTERUS | G | 6.45E-03 | 2.31E-04 | 2.57E-04 | 2.57E-04 | 6.71E-04 | 2.47E-04 | 2.35E-04 | 1.90E-04 | 7.38E-48 | 7.68E-06 | 7.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-04 |
| | T | 6.45E-03 | 2.31E-04 | 2.57E-04 | 2.57E-04 | 6.71E-04 | 2.47E-04 | 2.35E-04 | 1.90E-04 | 7.38E-48 | 7.68E-06 | 9.42E-04 |
| T BODY | G | 7.33E-04 | 7.17E-04 | 5.30E-04 | 5.30E-04 | 5.88E-04 | 4.74E-04 | 3.44E-04 | 6.22E-04 | 5.28E-04 | 4.82E-04 | 5.34E-04 |
| | B | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 | 2.19E-04 |
| | T | 9.51E-04 | 9.36E-04 | 7.48E-04 | 7.48E-04 | 8.06E-04 | 6.93E-04 | 5.62E-04 | 8.41E-04 | 7.47E-04 | 7.01E-04 | 7.52E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-FESSLER, T. E. ET AL., PHYS. REV. 174, 1472 (1968)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 53-IODINE-131 (TR=8.060E 00 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.00E-02 | 1.46E-05 | 1.50E-04 | 9.31E-05 | 6.58E-05 | 3.24E-05 | 7.69E-04 | 3.35E-04 | 1.65E-04 | 1.65E-04 | 1.01E-04 |
| | B | 7.03E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.33E-01 | 1.46E-05 | 1.50E-04 | 9.31E-05 | 6.58E-05 | 3.24E-05 | 7.69E-04 | 3.35E-04 | 1.65E-04 | 1.65E-04 | 1.01E-04 |
| BLAD WALL | G | 8.02E-06 | 4.91E-03 | 2.44E-05 | 2.04E-04 | 1.35E-04 | 4.04E-04 | 2.41E-05 | 1.77E-05 | 4.39E-06 | 4.39E-06 | 1.20E-04 |
| | B | 0.0 | 2.46E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.02E-06 | 2.95E-02 | 2.44E-05 | 2.04E-04 | 1.35E-04 | 4.04E-04 | 2.41E-05 | 1.77E-05 | 4.39E-06 | 4.39E-06 | 1.20E-04 |
| GI TRACT S WALL | G | 1.98E-04 | 2.12E-05 | 3.49E-03 | 2.37E-04 | 2.47E-04 | 1.20E-04 | 2.26E-04 | 1.29E-04 | 1.25E-04 | 1.25E-04 | 9.46E-05 |
| | B | 0.0 | 0.0 | 1.97E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.98E-04 | 2.12E-05 | 2.32E-02 | 2.37E-04 | 2.47E-04 | 1.20E-04 | 2.26E-04 | 1.29E-04 | 1.25E-04 | 1.25E-04 | 9.46E-05 |
| SI+CONT | G | 6.15E-05 | 1.83E-04 | 1.76E-04 | 2.08E-03 | 1.11E-03 | 6.15E-04 | 1.88E-04 | 1.09E-04 | 1.67E-05 | 1.67E-05 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.15E-05 | 1.83E-04 | 1.76E-04 | 1.44E-02 | 1.11E-03 | 6.15E-04 | 1.88E-04 | 1.09E-04 | 1.67E-05 | 1.67E-05 | 1.04E-04 |
| ULI WALL | G | 6.72E-05 | 1.58E-04 | 2.28E-04 | 1.56E-03 | 2.87E-03 | 2.85E-04 | 1.94E-04 | 1.69E-04 | 2.19E-05 | 2.19E-05 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.24E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.72E-05 | 1.58E-04 | 2.28E-04 | 1.56E-03 | 2.52E-02 | 2.85E-04 | 1.94E-04 | 1.69E-04 | 2.19E-05 | 2.19E-05 | 1.09E-04 |
| LLI WALL | G | 2.01E-05 | 4.76E-04 | 8.65E-05 | 4.66E-04 | 2.03E-04 | 3.43E-03 | 5.83E-05 | 1.93E-05 | 6.25E-06 | 6.25E-06 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.64E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.01E-05 | 4.76E-04 | 8.65E-05 | 4.66E-04 | 2.03E-04 | 3.99E-02 | 5.83E-05 | 1.93E-05 | 6.25E-06 | 6.25E-06 | 1.14E-04 |
| KIDNEYS | G | 7.79E-04 | 2.30E-05 | 2.28E-04 | 2.10E-04 | 1.84E-04 | 5.98E-05 | 4.82E-03 | 2.55E-04 | 6.57E-05 | 6.57E-05 | 9.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.79E-04 | 2.30E-05 | 2.28E-04 | 2.10E-04 | 1.84E-04 | 5.98E-05 | 3.66E-02 | 2.55E-04 | 6.57E-05 | 6.57E-05 | 9.57E-05 |
| LIVER | G | 3.31E-04 | 1.72E-05 | 1.35E-04 | 1.23E-04 | 1.70E-04 | 2.17E-05 | 2.64E-04 | 1.72E-03 | 1.63E-04 | 1.63E-04 | 7.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.47E-03 | 0.0 | 0.0 | 0.0 |
| | T | 3.31E-04 | 1.72E-05 | 1.35E-04 | 1.23E-04 | 1.70E-04 | 2.17E-05 | 2.64E-04 | 7.19E-03 | 1.63E-04 | 1.63E-04 | 7.43E-05 |
| LUNGS | G | 1.62E-04 | 2.73E-06 | 1.20E-04 | 2.03E-05 | 2.13E-05 | 6.62E-06 | 6.11E-05 | 1.64E-04 | 9.80E-04 | 9.80E-04 | 8.95E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.84E-03 | 9.84E-03 | 0.0 |
| | T | 1.62E-04 | 2.73E-06 | 1.20E-04 | 2.03E-05 | 2.13E-05 | 6.62E-06 | 6.11E-05 | 1.64E-04 | 1.08E-02 | 1.08E-02 | 8.95E-05 |
| RESP LYM NODE | G | 1.62E-04 | 2.73E-06 | 1.20E-04 | 2.03E-05 | 2.13E-05 | 6.62E-06 | 6.11E-05 | 1.64E-04 | 9.79E-04 | 9.80E-04 | 8.95E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.83E-03 | 6.56E-01 | 0.0 |
| | T | 1.62E-04 | 2.73E-06 | 1.20E-04 | 2.03E-05 | 2.13E-05 | 6.62E-06 | 6.11E-05 | 1.64E-04 | 1.08E-02 | 6.57E-01 | 8.95E-05 |
| MUSCLE* | G | 1.01E-04 | 1.20E-04 | 9.46E-05 | 1.04E-04 | 9.95E-05 | 1.14E-04 | 9.57E-05 | 7.43E-05 | 8.95E-05 | 8.95E-05 | 9.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-04 |
| | T | 1.01E-04 | 1.20E-04 | 9.46E-05 | 1.04E-04 | 9.95E-05 | 1.14E-04 | 9.57E-05 | 7.43E-05 | 8.95E-05 | 8.95E-05 | 4.51E-04 |
| OVARIES | G | 3.79E-05 | 4.56E-04 | 3.45E-05 | 6.44E-04 | 8.11E-04 | 1.19E-03 | 8.13E-05 | 2.30E-05 | 9.52E-06 | 9.52E-06 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.79E-05 | 4.56E-04 | 3.45E-05 | 6.44E-04 | 8.11E-04 | 1.19E-03 | 8.13E-05 | 2.30E-05 | 9.52E-06 | 9.52E-06 | 1.34E-04 |

53-IODINE-131 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 5.71E-04 | 1.89E-05 | 1.19E-03 | 1.39E-04 | 1.39E-04 | 4.89E-05 | 4.38E-04 | 2.95E-04 | 1.79E-04 | 1.79E-04 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.71E-04 | 1.89E-05 | 1.19E-03 | 1.39E-04 | 1.39E-04 | 4.89E-05 | 4.38E-04 | 2.95E-04 | 1.79E-04 | 1.79E-04 | 1.21E-04 |
| SKELETON BONE | G | 9.92E-05 | 4.43E-05 | 4.43E-05 | 5.90E-05 | 5.37E-05 | 7.73E-05 | 7.12E-05 | 5.42E-05 | 7.23E-05 | 7.23E-05 | 7.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.92E-05 | 4.43E-05 | 4.43E-05 | 5.90E-05 | 5.37E-05 | 7.73E-05 | 7.12E-05 | 5.42E-05 | 7.23E-05 | 7.23E-05 | 7.31E-05 |
| R MARROW | G | 1.79E-04 | 9.73E-05 | 7.77E-05 | 1.90E-04 | 1.64E-04 | 2.34E-04 | 1.82E-04 | 7.91E-05 | 9.16E-05 | 9.16E-05 | 9.92E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.79E-04 | 9.73E-05 | 7.77E-05 | 1.90E-04 | 1.64E-04 | 2.34E-04 | 1.82E-04 | 7.91E-05 | 9.16E-05 | 9.16E-05 | 9.92E-05 |
| Y MARROW | G | 9.57E-05 | 4.07E-05 | 6.15E-05 | 8.20E-05 | 7.64E-05 | 9.54E-05 | 8.81E-05 | 7.98E-05 | 7.57E-05 | 7.57E-05 | 7.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.57E-05 | 4.07E-05 | 6.15E-05 | 8.20E-05 | 7.64E-05 | 9.54E-05 | 8.81E-05 | 7.98E-05 | 7.57E-05 | 7.57E-05 | 7.90E-05 |
| T E CL | G | 9.92E-05 | 4.43E-05 | 4.43E-05 | 5.90E-05 | 5.37E-05 | 7.73E-05 | 7.12E-05 | 5.42E-05 | 7.23E-05 | 7.23E-05 | 7.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.92E-05 | 4.43E-05 | 4.43E-05 | 5.90E-05 | 5.37E-05 | 7.73E-05 | 7.12E-05 | 5.42E-05 | 7.23E-05 | 7.23E-05 | 7.31E-05 |
| SKIN | G | 4.34E-05 | 4.16E-05 | 3.66E-05 | 3.39E-05 | 3.47E-05 | 3.81E-05 | 4.25E-05 | 3.87E-05 | 4.34E-05 | 4.34E-05 | 5.79E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.34E-05 | 4.16E-05 | 3.66E-05 | 3.39E-05 | 3.47E-05 | 3.81E-05 | 4.25E-05 | 3.87E-05 | 4.34E-05 | 4.34E-05 | 5.79E-05 |
| SPLEEN | G | 4.40E-04 | 1.34E-05 | 6.55E-04 | 1.05E-04 | 8.78E-05 | 5.91E-05 | 5.73E-04 | 6.59E-05 | 1.49E-04 | 1.49E-04 | 9.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.40E-04 | 1.34E-05 | 6.55E-04 | 1.05E-04 | 8.78E-05 | 5.91E-05 | 5.73E-04 | 6.59E-05 | 1.49E-04 | 1.49E-04 | 9.88E-05 |
| TESTES | G | 4.15E-06 | 3.26E-04 | 3.21E-06 | 2.46E-05 | 2.95E-05 | 1.37E-04 | 9.28E-06 | 7.29E-06 | 1.36E-06 | 1.36E-06 | 8.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.15E-06 | 3.26E-04 | 3.21E-06 | 2.46E-05 | 2.95E-05 | 1.37E-04 | 9.28E-06 | 7.29E-06 | 1.36E-06 | 1.36E-06 | 8.16E-05 |
| THYMUS | G | 4.74E-05 | 1.78E-06 | 1.78E-05 | 8.59E-06 | 9.46E-06 | 3.42E-06 | 2.06E-05 | 6.93E-05 | 2.58E-04 | 2.58E-04 | 1.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.74E-05 | 1.78E-06 | 1.78E-05 | 8.59E-06 | 9.46E-06 | 3.42E-06 | 2.06E-05 | 6.93E-05 | 2.58E-04 | 2.58E-04 | 1.45E-04 |
| THYROID | G | 1.24E-05 | 5.01E-07 | 9.45E-06 | 2.27E-06 | 2.44E-06 | 9.94E-07 | 5.68E-06 | 1.36E-05 | 7.14E-05 | 7.14E-05 | 9.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.24E-05 | 5.01E-07 | 9.45E-06 | 2.27E-06 | 2.44E-06 | 9.94E-07 | 5.68E-06 | 1.36E-05 | 7.14E-05 | 7.14E-05 | 9.14E-05 |
| UTERUS | G | 8.10E-05 | 1.02E-03 | 5.85E-05 | 6.03E-04 | 3.09E-04 | 4.17E-04 | 6.31E-05 | 2.81E-05 | 6.58E-06 | 6.58E-06 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.10E-05 | 1.02E-03 | 5.85E-05 | 6.03E-04 | 3.09E-04 | 4.17E-04 | 6.31E-05 | 2.81E-05 | 6.58E-06 | 6.58E-06 | 1.42E-04 |
| T BODY | G | 1.13E-04 | 1.26E-04 | 1.19E-04 | 1.33E-04 | 1.29E-04 | 1.28E-04 | 1.14E-04 | 1.14E-04 | 9.79E-05 | 9.79E-05 | 9.52E-05 |
| | B | 1.41E-04 | 1.58E-05 | 4.22E-05 | 1.12E-04 | 6.71E-05 | 8.33E-05 | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 |
| | T | 2.53E-04 | 1.42E-04 | 1.61E-04 | 2.45E-04 | 1.96E-04 | 2.12E-04 | 2.54E-04 | 2.55E-04 | 2.38E-04 | 2.38E-04 | 2.36E-04 |

CONTINUED NEXT PAGE

53-IODINE-131 CONTINUED

S O U R C E  O R G A N S

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 3.44E-05 | 5.63E-04 | 1.03E-04 | 1.03E-04 | 1.48E-04 | 8.15E-05 | 5.00E-05 | 4.23E-04 | 4.15E-06 | 1.24E-05 | 1.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 3.44E-05 | 5.63E-04 | 1.03E-04 | 1.03E-04 | 1.48E-04 | 8.15E-05 | 5.00E-05 | 4.23E-04 | 4.15E-06 | 1.24E-05 | 2.81E-04 |
| BLAD WALL | G | 4.56E-04 | 1.19E-05 | 3.86E-05 | 3.86E-05 | 4.95E-05 | 2.08E-05 | 4.02E-05 | 1.07E-05 | 3.35E-04 | 5.05E-07 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 4.56E-04 | 1.19E-05 | 3.86E-05 | 3.86E-05 | 4.95E-05 | 2.08E-05 | 4.02E-05 | 1.07E-05 | 3.35E-04 | 5.05E-07 | 2.62E-04 |
| GI TRACT S WALL | G | 5.49E-05 | 1.19E-03 | 3.92E-05 | 3.92E-05 | 7.07E-05 | 5.00E-05 | 4.12E-05 | 6.52E-04 | 5.89E-06 | 6.27E-06 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 5.49E-05 | 1.19E-03 | 3.92E-05 | 3.92E-05 | 7.07E-05 | 5.00E-05 | 4.12E-05 | 6.52E-04 | 5.89E-06 | 6.27E-06 | 2.64E-04 |
| SI+CONT | G | 7.97E-04 | 1.21E-04 | 5.32E-05 | 5.32E-05 | 1.78E-04 | 7.13E-05 | 3.55E-05 | 9.43E-05 | 3.29E-05 | 8.27E-07 | 1.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 7.97E-04 | 1.21E-04 | 5.32E-05 | 5.32E-05 | 1.78E-04 | 7.13E-05 | 3.55E-05 | 9.43E-05 | 3.29E-05 | 8.27E-07 | 2.74E-04 |
| ULI WALL | G | 7.53E-04 | 1.47E-04 | 4.87E-05 | 4.87E-05 | 1.40E-04 | 6.06E-05 | 3.62E-05 | 8.93E-05 | 2.32E-05 | 8.31E-07 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 7.53E-04 | 1.47E-04 | 4.87E-05 | 4.87E-05 | 1.40E-04 | 6.06E-05 | 3.62E-05 | 8.93E-05 | 2.32E-05 | 8.31E-07 | 2.68E-04 |
| LLI WALL | G | 9.62E-04 | 3.72E-05 | 6.75E-05 | 6.75E-05 | 2.02E-04 | 5.80E-05 | 3.79E-05 | 4.51E-05 | 1.88E-04 | 8.26E-07 | 1.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 9.62E-04 | 3.72E-05 | 6.75E-05 | 6.75E-05 | 2.02E-04 | 5.80E-05 | 3.79E-05 | 4.51E-05 | 1.88E-04 | 8.26E-07 | 2.66E-04 |
| KIDNEYS | G | 7.18E-05 | 4.22E-04 | 6.23E-05 | 6.23E-05 | 1.56E-04 | 7.86E-05 | 4.78E-05 | 5.83E-04 | 5.76E-06 | 3.24E-06 | 1.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 7.18E-05 | 4.22E-04 | 6.23E-05 | 6.23E-05 | 1.56E-04 | 7.86E-05 | 4.78E-05 | 5.83E-04 | 5.76E-06 | 3.24E-06 | 2.58E-04 |
| LIVER | G | 4.07E-05 | 2.84E-04 | 4.67E-05 | 4.67E-05 | 6.76E-05 | 7.09E-05 | 4.27E-05 | 7.09E-05 | 3.34E-06 | 9.72E-06 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 4.07E-05 | 2.84E-04 | 4.67E-05 | 4.67E-05 | 6.76E-05 | 7.09E-05 | 4.27E-05 | 7.09E-05 | 3.34E-06 | 9.72E-06 | 2.55E-04 |
| LUNGS | G | 6.58E-06 | 1.64E-04 | 6.63E-05 | 6.63E-05 | 8.15E-05 | 6.69E-05 | 4.48E-05 | 1.49E-04 | 9.50E-07 | 6.87E-05 | 1.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 6.58E-06 | 1.64E-04 | 6.63E-05 | 6.63E-05 | 8.15E-05 | 6.69E-05 | 4.48E-05 | 1.49E-04 | 9.50E-07 | 6.87E-05 | 2.41E-04 |
| RESP LYM NODE | G | 6.58E-06 | 1.64E-04 | 6.63E-05 | 6.63E-05 | 8.15E-05 | 6.69E-05 | 4.48E-05 | 1.49E-04 | 9.50E-07 | 6.87E-05 | 1.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 6.58E-06 | 1.64E-04 | 6.63E-05 | 6.63E-05 | 8.15E-05 | 6.69E-05 | 4.48E-05 | 1.49E-04 | 9.50E-07 | 6.87E-05 | 2.41E-04 |
| MUSCLE* | G | 1.34E-04 | 1.21E-04 | 7.31E-05 | 7.31E-05 | 8.66E-05 | 6.69E-05 | 5.79E-05 | 9.88E-05 | 8.16E-05 | 9.14E-05 | 9.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 1.34E-04 | 1.21E-04 | 7.31E-05 | 7.31E-05 | 8.66E-05 | 6.69E-05 | 5.79E-05 | 9.88E-05 | 8.16E-05 | 9.14E-05 | 2.36E-04 |
| OVARIES | G | 5.02E-02 | 2.56E-05 | 6.21E-05 | 6.21E-05 | 2.03E-04 | 7.29E-05 | 2.64E-05 | 5.67E-05 | 2.46E-47 | 9.77E-07 | 1.17E-04 |
| | B | 8.95E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 9.45E-01 | 2.56E-05 | 6.21E-05 | 6.21E-05 | 2.03E-04 | 7.29E-05 | 2.64E-05 | 5.67E-05 | 2.46E-47 | 9.77E-07 | 2.58E-04 |

53-IODINE-131 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 3.67E-05 | 1.39E-02 | 6.62E-05 | 6.62E-05 | 1.11E-04 | 8.81E-05 | 3.90E-05 | 1.29E-03 | 3.80E-06 | 5.70E-06 | 1.28E-04 |
| | B | 0.0 | 9.84E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 3.67E-05 | 1.12E-01 | 6.62E-05 | 6.62E-05 | 1.11E-04 | 8.81E-05 | 3.90E-05 | 1.29E-03 | 3.80E-06 | 5.70E-06 | 2.69E-04 |
| SKELETON BONE | G | 6.98E-05 | 6.79E-05 | 2.43E-04 | 2.43E-04 | 1.62E-04 | 1.78E-04 | 5.77E-05 | 5.62E-05 | 4.76E-05 | 5.34E-05 | 1.06E-04 |
| | B | 0.0 | 0.0 | 1.97E-03 | 1.32E-03 | 4.35E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 6.98E-05 | 6.79E-05 | 2.21E-03 | 1.56E-03 | 5.97E-04 | 1.78E-04 | 5.77E-05 | 5.62E-05 | 4.76E-05 | 5.34E-05 | 2.46E-04 |
| R MARROW | G | 2.36E-04 | 1.29E-04 | 2.17E-04 | 2.17E-04 | 5.21E-04 | 1.84E-04 | 5.42E-05 | 8.45E-05 | 3.83E-05 | 5.87E-05 | 1.18E-04 |
| | B | 0.0 | 0.0 | 3.00E-05 | 2.17E-03 | 5.03E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 2.36E-04 | 1.29E-04 | 2.47E-04 | 2.39E-03 | 5.55E-03 | 1.84E-04 | 5.42E-05 | 8.45E-05 | 3.83E-05 | 5.87E-05 | 2.59E-04 |
| Y MARROW | G | 9.32E-05 | 7.95E-05 | 2.10E-04 | 2.10E-04 | 2.00E-04 | 3.04E-04 | 6.08E-05 | 8.38E-05 | 1.96E-05 | 2.81E-05 | 9.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.56E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 9.32E-05 | 7.95E-05 | 2.10E-04 | 2.10E-04 | 2.00E-04 | 6.86E-03 | 6.08E-05 | 8.38E-05 | 1.96E-05 | 2.81E-05 | 2.39E-04 |
| T E CL | G | 6.98E-05 | 6.79E-05 | 2.43E-04 | 2.43E-04 | 2.19E-04 | 1.98E-04 | 5.77E-05 | 5.62E-05 | 4.76E-05 | 5.34E-05 | 1.06E-04 |
| | B | 0.0 | 0.0 | 1.22E-03 | 2.28E-03 | 1.76E-03 | 1.64E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 6.98E-05 | 6.79E-05 | 1.46E-03 | 2.52E-03 | 1.98E-03 | 1.84E-03 | 5.77E-05 | 5.62E-05 | 4.76E-05 | 5.34E-05 | 2.46E-04 |
| SKIN | G | 3.36E-05 | 3.24E-05 | 5.50E-05 | 5.50E-05 | 4.86E-05 | 6.12E-05 | 1.29E-04 | 3.93E-05 | 1.04E-04 | 5.69E-05 | 5.79E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.78E-03 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 3.36E-05 | 3.24E-05 | 5.50E-05 | 5.50E-05 | 4.86E-05 | 6.12E-05 | 3.91E-03 | 3.93E-05 | 1.04E-04 | 5.69E-05 | 1.98E-04 |
| SPLEEN | G | 4.27E-05 | 1.29E-03 | 5.16E-05 | 5.16E-05 | 5.83E-05 | 6.86E-05 | 4.26E-05 | 8.65E-03 | 5.62E-06 | 8.67E-06 | 1.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.47E-02 | 0.0 | 0.0 | 1.41E-04 |
| | T | 4.27E-05 | 1.29E-03 | 5.16E-05 | 5.16E-05 | 5.83E-05 | 6.86E-05 | 4.26E-05 | 6.33E-02 | 5.62E-06 | 8.67E-06 | 2.61E-04 |
| TESTES | G | 2.46E-47 | 4.79E-06 | 4.03E-05 | 4.03E-05 | 2.56E-05 | 6.84E-05 | 6.33E-05 | 5.73E-06 | 2.36E-02 | 1.73E-07 | 1.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.81E-01 | 0.0 | 1.41E-04 |
| | T | 2.46E-47 | 4.79E-06 | 4.03E-05 | 4.03E-05 | 2.56E-05 | 6.84E-05 | 6.33E-05 | 5.73E-06 | 3.05E-01 | 1.73E-07 | 2.45E-04 |
| THYMUS | G | 3.55E-06 | 4.46E-05 | 4.35E-05 | 4.35E-05 | 3.94E-05 | 3.55E-05 | 5.33E-05 | 3.00E-05 | 5.88E-07 | 2.92E-04 | 1.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 3.55E-06 | 4.46E-05 | 4.35E-05 | 4.35E-05 | 3.94E-05 | 3.55E-05 | 5.33E-05 | 3.00E-05 | 5.88E-07 | 2.92E-04 | 2.66E-04 |
| THYROID | G | 9.78E-07 | 1.12E-05 | 6.82E-05 | 6.82E-05 | 5.62E-05 | 5.17E-05 | 5.44E-05 | 9.13E-06 | 1.73E-07 | 3.16E-02 | 9.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.92E-01 | 1.41E-04 |
| | T | 9.78E-07 | 1.12E-05 | 6.82E-05 | 6.82E-05 | 5.62E-05 | 5.17E-05 | 5.44E-05 | 9.13E-06 | 1.73E-07 | 5.24E-01 | 2.32E-04 |
| UTERUS | G | 1.30E-03 | 4.27E-05 | 4.12E-05 | 4.12E-05 | 1.39E-04 | 4.40E-05 | 3.40E-05 | 3.00E-05 | 2.46E-47 | 9.24E-07 | 1.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-04 |
| | T | 1.30E-03 | 4.27E-05 | 4.12E-05 | 4.12E-05 | 1.39E-04 | 4.40E-05 | 3.40E-05 | 3.00E-05 | 2.46E-47 | 9.24E-07 | 2.70E-04 |
| T BODY | G | 1.35E-04 | 1.33E-04 | 9.66E-05 | 9.66E-05 | 1.07E-04 | 8.53E-05 | 5.86E-05 | 1.14E-04 | 9.46E-05 | 8.68E-05 | 9.64E-05 |
| | B | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 | 1.41E-04 |
| | T | 2.76E-04 | 2.73E-04 | 2.37E-04 | 2.37E-04 | 2.48E-04 | 2.26E-04 | 1.99E-04 | 2.54E-04 | 2.35E-04 | 2.27E-04 | 2.37E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-GRAEFFE, G. AND WALTERS, W. B., PHYS. REV. 153, 1321 (1967)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 53-IODINE-132 (TB=2.380E 00 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.79E-01 | 9.61E-05 | 8.86E-04 | 4.75E-04 | 4.39E-04 | 1.94E-04 | 4.78E-03 | 1.88E-03 | 9.10E-04 | 9.10E-04 | 5.96E-04 |
| | B | 1.81E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.99E 00 | 9.61E-05 | 8.86E-04 | 4.75E-04 | 4.39E-04 | 1.94E-04 | 4.78E-03 | 1.88E-03 | 9.10E-04 | 9.10E-04 | 5.96E-04 |
| BLAD WALL | G | 7.47E-05 | 2.77E-02 | 1.86E-04 | 1.11E-03 | 7.79E-04 | 2.12E-03 | 1.69E-04 | 1.05E-04 | 3.36E-05 | 3.36E-05 | 6.88E-04 |
| | B | 0.0 | 6.32E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.47E-05 | 9.09E-02 | 1.86E-04 | 1.11E-03 | 7.79E-04 | 2.12E-03 | 1.69E-04 | 1.05E-04 | 3.36E-05 | 3.36E-05 | 6.88E-04 |
| GI TRACT S WALL | G | 1.14E-03 | 1.71E-04 | 1.99E-02 | 1.34E-03 | 1.38E-03 | 6.51E-04 | 1.28E-03 | 7.53E-04 | 7.41E-04 | 7.41E-04 | 5.49E-04 |
| | B | 0.0 | 0.0 | 5.06E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.14E-03 | 1.71E-04 | 7.05E-02 | 1.34E-03 | 1.38E-03 | 6.51E-04 | 1.28E-03 | 7.53E-04 | 7.41E-04 | 7.41E-04 | 5.49E-04 |
| SI+CONT | G | 3.79E-04 | 1.04E-03 | 9.97E-04 | 1.17E-02 | 6.15E-03 | 3.43E-03 | 1.08E-03 | 6.19E-04 | 1.20E-04 | 1.20E-04 | 6.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 3.16E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.79E-04 | 1.04E-03 | 9.97E-04 | 4.34E-02 | 6.15E-03 | 3.43E-03 | 1.08E-03 | 6.19E-04 | 1.20E-04 | 1.20E-04 | 6.00E-04 |
| ULI WALL | G | 4.23E-04 | 8.32E-04 | 1.24E-03 | 8.72E-03 | 1.65E-02 | 1.58E-03 | 1.11E-03 | 9.51E-04 | 1.59E-04 | 1.59E-04 | 6.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 5.75E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.23E-04 | 8.32E-04 | 1.24E-03 | 8.72E-03 | 7.40E-02 | 1.58E-03 | 1.11E-03 | 9.51E-04 | 1.59E-04 | 1.59E-04 | 6.34E-04 |
| LLI WALL | G | 1.24E-04 | 2.65E-03 | 5.20E-04 | 2.62E-03 | 1.21E-03 | 1.97E-02 | 3.49E-04 | 1.21E-04 | 3.35E-05 | 3.35E-05 | 6.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.37E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.24E-04 | 2.65E-03 | 5.20E-04 | 2.62E-03 | 1.21E-03 | 1.13E-01 | 3.49E-04 | 1.21E-04 | 3.35E-05 | 3.35E-05 | 6.57E-04 |
| KIDNEYS | G | 4.34E-03 | 1.51E-04 | 1.27E-03 | 1.22E-03 | 1.08E-03 | 3.49E-04 | 2.77E-02 | 1.44E-03 | 4.00E-04 | 4.00E-04 | 5.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.16E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.34E-03 | 1.51E-04 | 1.27E-03 | 1.22E-03 | 1.08E-03 | 3.49E-04 | 1.09E-01 | 1.44E-03 | 4.00E-04 | 4.00E-04 | 5.60E-04 |
| LIVER | G | 1.85E-03 | 1.17E-04 | 7.78E-04 | 7.15E-04 | 9.63E-04 | 1.48E-04 | 1.51E-03 | 9.79E-03 | 9.22E-04 | 9.22E-04 | 4.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.85E-03 | 1.17E-04 | 7.78E-04 | 7.15E-04 | 9.63E-04 | 1.48E-04 | 1.51E-03 | 2.38E-02 | 9.22E-04 | 9.22E-04 | 4.38E-04 |
| LUNGS | G | 9.14E-04 | 2.72E-05 | 7.03E-04 | 1.35E-04 | 1.51E-04 | 5.44E-05 | 3.81E-04 | 9.40E-04 | 5.54E-03 | 5.54E-03 | 5.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.53E-02 | 2.53E-02 | 0.0 |
| | T | 9.14E-04 | 2.72E-05 | 7.03E-04 | 1.35E-04 | 1.51E-04 | 5.44E-05 | 3.81E-04 | 9.40E-04 | 3.08E-02 | 3.08E-02 | 5.18E-04 |
| RESP LYM NODE | G | 9.14E-04 | 2.72E-05 | 7.03E-04 | 1.35E-04 | 1.51E-04 | 5.44E-05 | 3.81E-04 | 9.40E-04 | 5.54E-03 | 5.54E-03 | 5.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.53E-02 | 1.69E 00 | 0.0 |
| | T | 9.14E-04 | 2.72E-05 | 7.03E-04 | 1.35E-04 | 1.51E-04 | 5.44E-05 | 3.81E-04 | 9.40E-04 | 3.08E-02 | 1.69E 00 | 5.18E-04 |
| MUSCLE* | G | 5.96E-04 | 6.88E-04 | 5.49E-04 | 6.00E-04 | 5.75E-04 | 6.57E-04 | 5.60E-04 | 4.38E-04 | 5.18E-04 | 5.18E-04 | 5.92E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.03E-04 |
| | T | 5.96E-04 | 6.88E-04 | 5.49E-04 | 6.00E-04 | 5.75E-04 | 6.57E-04 | 5.60E-04 | 4.38E-04 | 5.18E-04 | 5.18E-04 | 1.50E-03 |
| OVARIES | G | 2.00E-04 | 2.14E-03 | 3.85E-04 | 3.62E-03 | 3.82E-03 | 6.34E-03 | 5.35E-04 | 2.02E-04 | 6.50E-05 | 6.50E-05 | 7.69E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.00E-04 | 2.14E-03 | 3.85E-04 | 3.62E-03 | 3.82E-03 | 6.34E-03 | 5.35E-04 | 2.02E-04 | 6.50E-05 | 6.50E-05 | 7.69E-04 |

53-IODINE-132 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 3.31E-03 | 1.11E-04 | 6.52E-03 | 7.85E-04 | 7.60E-04 | 2.89E-04 | 2.58E-03 | 1.73E-03 | 9.70E-04 | 9.70E-04 | 6.92E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.31E-03 | 1.11E-04 | 6.52E-03 | 7.85E-04 | 7.60E-04 | 2.89E-04 | 2.58E-03 | 1.73E-03 | 9.70E-04 | 9.70E-04 | 6.92E-04 |
| SKELETON BONE | G | 5.26E-04 | 2.22E-04 | 2.31E-04 | 3.04E-04 | 2.74E-04 | 3.97E-04 | 3.78E-04 | 2.82E-04 | 3.84E-04 | 3.84E-04 | 4.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.26E-04 | 2.22E-04 | 2.31E-04 | 3.04E-04 | 2.74E-04 | 3.97E-04 | 3.78E-04 | 2.82E-04 | 3.84E-04 | 3.84E-04 | 4.36E-04 |
| R MARROW | G | 9.35E-04 | 4.67E-04 | 3.93E-04 | 9.47E-04 | 8.04E-04 | 1.18E-03 | 9.50E-04 | 4.05E-04 | 4.85E-04 | 4.85E-04 | 5.22E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.35E-04 | 4.67E-04 | 3.93E-04 | 9.47E-04 | 8.04E-04 | 1.18E-03 | 9.50E-04 | 4.05E-04 | 4.85E-04 | 4.85E-04 | 5.22E-04 |
| Y MARROW | G | 5.10E-04 | 2.04E-04 | 3.21E-04 | 4.18E-04 | 3.88E-04 | 4.89E-04 | 4.68E-04 | 4.16E-04 | 4.04E-04 | 4.04E-04 | 4.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.10E-04 | 2.04E-04 | 3.21E-04 | 4.18E-04 | 3.88E-04 | 4.89E-04 | 4.68E-04 | 4.16E-04 | 4.04E-04 | 4.04E-04 | 4.26E-04 |
| T E CL | G | 5.26E-04 | 2.22E-04 | 2.31E-04 | 3.04E-04 | 2.74E-04 | 3.97E-04 | 3.78E-04 | 2.82E-04 | 3.84E-04 | 3.84E-04 | 4.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.26E-04 | 2.22E-04 | 2.31E-04 | 3.04E-04 | 2.74E-04 | 3.97E-04 | 3.78E-04 | 2.82E-04 | 3.84E-04 | 3.84E-04 | 4.36E-04 |
| SKIN | G | 2.80E-04 | 2.68E-04 | 2.40E-04 | 2.21E-04 | 2.21E-04 | 2.41E-04 | 2.64E-04 | 2.43E-04 | 2.71E-04 | 2.71E-04 | 3.66E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.80E-04 | 2.68E-04 | 2.40E-04 | 2.21E-04 | 2.21E-04 | 2.41E-04 | 2.64E-04 | 2.43E-04 | 2.71E-04 | 2.71E-04 | 3.66E-04 |
| SPLEEN | G | 2.40E-03 | 9.50E-05 | 3.65E-03 | 6.14E-04 | 5.15E-04 | 3.94E-04 | 3.20E-03 | 4.16E-04 | 8.28E-04 | 8.28E-04 | 5.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.40E-03 | 9.50E-05 | 3.65E-03 | 6.14E-04 | 5.15E-04 | 3.94E-04 | 3.20E-03 | 4.16E-04 | 8.28E-04 | 8.28E-04 | 5.73E-04 |
| TESTES | G | 3.27E-05 | 1.91E-03 | 4.09E-05 | 1.83E-04 | 2.10E-04 | 6.97E-04 | 6.47E-05 | 7.11E-05 | 1.26E-05 | 1.26E-05 | 4.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.27E-05 | 1.91E-03 | 4.09E-05 | 1.83E-04 | 2.10E-04 | 6.97E-04 | 6.47E-05 | 7.11E-05 | 1.26E-05 | 1.26E-05 | 4.90E-04 |
| THYMUS | G | 3.05E-04 | 1.60E-05 | 2.14E-04 | 6.02E-05 | 6.54E-05 | 2.71E-05 | 1.02E-04 | 4.07E-04 | 1.54E-03 | 1.54E-03 | 6.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.05E-04 | 1.60E-05 | 2.14E-04 | 6.02E-05 | 6.54E-05 | 2.71E-05 | 1.02E-04 | 4.07E-04 | 1.54E-03 | 1.54E-03 | 6.23E-04 |
| THYROID | G | 8.44E-05 | 5.62E-06 | 6.54E-05 | 1.95E-05 | 2.07E-05 | 9.60E-06 | 4.25E-05 | 7.74E-05 | 4.94E-04 | 4.94E-04 | 5.35E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.44E-05 | 5.62E-06 | 6.54E-05 | 1.95E-05 | 2.07E-05 | 9.60E-06 | 4.25E-05 | 7.74E-05 | 4.94E-04 | 4.94E-04 | 5.35E-04 |
| UTERUS | G | 1.76E-04 | 5.63E-03 | 3.68E-04 | 3.29E-03 | 1.80E-03 | 2.16E-03 | 3.37E-04 | 1.73E-04 | 4.92E-05 | 4.92E-05 | 8.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.76E-04 | 5.63E-03 | 3.68E-04 | 3.29E-03 | 1.80E-03 | 2.16E-03 | 3.37E-04 | 1.73E-04 | 4.92E-05 | 4.92E-05 | 8.72E-04 |
| T BODY | G | 6.53E-04 | 7.21E-04 | 6.88E-04 | 7.55E-04 | 7.39E-04 | 7.33E-04 | 6.58E-04 | 6.59E-04 | 5.60E-04 | 5.60E-04 | 5.64E-04 |
| | B | 3.61E-04 | 4.06E-05 | 1.08E-04 | 2.89E-04 | 1.72E-04 | 2.14E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 |
| | T | 1.01E-03 | 7.62E-04 | 7.96E-04 | 1.04E-03 | 9.11E-04 | 9.47E-04 | 1.02E-03 | 1.02E-03 | 9.22E-04 | 9.22E-04 | 9.26E-04 |

CONTINUED NEXT PAGE

53-IODINE-132 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.29E-04 | 2.94E-03 | 7.01E-04 | 7.01E-04 | 9.01E-04 | 3.36E-04 | 2.99E-04 | 2.55E-03 | 3.27E-05 | 8.34E-05 | 8.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 2.29E-04 | 2.94E-03 | 7.01E-04 | 7.01E-04 | 9.01E-04 | 3.36E-04 | 2.99E-04 | 2.55E-03 | 3.27E-05 | 8.34E-05 | 1.19E-03 |
| BLAD WALL | G | 2.64E-03 | 7.23E-05 | 2.24E-04 | 2.24E-04 | 3.59E-04 | 1.20E-04 | 2.83E-04 | 9.91E-05 | 2.00E-03 | 5.65E-06 | 7.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 2.64E-03 | 7.23E-05 | 2.24E-04 | 2.24E-04 | 3.59E-04 | 1.20E-04 | 2.83E-04 | 9.91E-05 | 2.00E-03 | 5.65E-06 | 1.11E-03 |
| GI TRACT S WALL | G | 3.23E-04 | 6.50E-03 | 2.22E-04 | 2.22E-04 | 4.27E-04 | 2.95E-04 | 2.59E-04 | 3.70E-03 | 4.11E-05 | 5.46E-05 | 6.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 3.23E-04 | 6.50E-03 | 2.22E-04 | 2.22E-04 | 4.27E-04 | 2.95E-04 | 2.59E-04 | 3.70E-03 | 4.11E-05 | 5.46E-05 | 1.02E-03 |
| SI+CONT | G | 4.42E-03 | 6.96E-04 | 3.21E-04 | 3.21E-04 | 1.02E-03 | 4.05E-04 | 2.28E-04 | 5.47E-04 | 2.13E-04 | 1.08E-05 | 7.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 4.42E-03 | 6.96E-04 | 3.21E-04 | 3.21E-04 | 1.02E-03 | 4.05E-04 | 2.28E-04 | 5.47E-04 | 2.13E-04 | 1.08E-05 | 1.12E-03 |
| ULI WALL | G | 4.16E-03 | 8.47E-04 | 2.92E-04 | 2.92E-04 | 7.66E-04 | 3.42E-04 | 2.44E-04 | 5.50E-04 | 1.49E-04 | 1.25E-05 | 7.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 4.16E-03 | 8.47E-04 | 2.92E-04 | 2.92E-04 | 7.66E-04 | 3.42E-04 | 2.44E-04 | 5.50E-04 | 1.49E-04 | 1.25E-05 | 1.10E-03 |
| LLI WALL | G | 5.30E-03 | 2.21E-04 | 3.94E-04 | 3.94E-04 | 1.17E-03 | 3.27E-04 | 2.50E-04 | 2.62E-04 | 9.97E-04 | 8.21E-06 | 7.70E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 5.30E-03 | 2.21E-04 | 3.94E-04 | 3.94E-04 | 1.17E-03 | 3.27E-04 | 2.50E-04 | 2.62E-04 | 9.97E-04 | 8.21E-06 | 1.13E-03 |
| KIDNEYS | G | 4.38E-04 | 2.36E-03 | 4.09E-04 | 4.09E-04 | 9.33E-04 | 4.66E-04 | 3.01E-04 | 3.21E-03 | 5.13E-05 | 3.71E-05 | 6.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 4.38E-04 | 2.36E-03 | 4.09E-04 | 4.09E-04 | 9.33E-04 | 4.66E-04 | 3.01E-04 | 3.21E-03 | 5.13E-05 | 3.71E-05 | 1.05E-03 |
| LIVER | G | 2.52E-04 | 1.57E-03 | 2.83E-04 | 2.83E-04 | 3.98E-04 | 4.32E-04 | 2.68E-04 | 4.22E-04 | 3.31E-05 | 7.25E-05 | 6.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 2.52E-04 | 1.57E-03 | 2.83E-04 | 2.83E-04 | 3.98E-04 | 4.32E-04 | 2.68E-04 | 4.22E-04 | 3.31E-05 | 7.25E-05 | 1.05E-03 |
| LUNGS | G | 5.55E-05 | 9.05E-04 | 3.88E-04 | 3.88E-04 | 4.75E-04 | 3.98E-04 | 2.76E-04 | 8.35E-04 | 9.70E-06 | 4.34E-04 | 5.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 5.55E-05 | 9.05E-04 | 3.88E-04 | 3.88E-04 | 4.75E-04 | 3.98E-04 | 2.76E-04 | 8.35E-04 | 9.70E-06 | 4.34E-04 | 9.33E-04 |
| RESP LYM NODE | G | 5.55E-05 | 9.05E-04 | 3.88E-04 | 3.88E-04 | 4.75E-04 | 3.98E-04 | 2.76E-04 | 8.35E-04 | 9.70E-06 | 4.34E-04 | 5.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 5.55E-05 | 9.05E-04 | 3.88E-04 | 3.88E-04 | 4.75E-04 | 3.98E-04 | 2.76E-04 | 8.35E-04 | 9.70E-06 | 4.34E-04 | 9.33E-04 |
| MUSCLE* | G | 7.69E-04 | 6.92E-04 | 4.36E-04 | 4.36E-04 | 5.12E-04 | 4.04E-04 | 3.66E-04 | 5.73E-04 | 4.90E-04 | 5.35E-04 | 5.64E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 7.69E-04 | 6.92E-04 | 4.36E-04 | 4.36E-04 | 5.12E-04 | 4.04E-04 | 3.66E-04 | 5.73E-04 | 4.90E-04 | 5.35E-04 | 9.26E-04 |
| OVARIES | G | 2.92E-01 | 2.75E-04 | 3.97E-04 | 3.97E-04 | 1.24E-03 | 3.51E-04 | 1.86E-04 | 3.07E-04 | 5.66E-48 | 9.76E-06 | 6.12E-04 |
| | B | 2.30E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 2.59E 00 | 2.75E-04 | 3.97E-04 | 3.97E-04 | 1.24E-03 | 3.51E-04 | 1.86E-04 | 3.07E-04 | 5.66E-48 | 9.76E-06 | 9.73E-04 |

53-IODINE-132 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.82E-04 | 8.13E-02 | 3.82E-04 | 3.82E-04 | 5.57E-04 | 4.53E-04 | 2.15E-04 | 7.20E-03 | 3.17E-05 | 3.95E-05 | 6.64E-04 |
| | B | 0.0 | 2.53E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 2.82E-04 | 3.34E-01 | 3.82E-04 | 3.82E-04 | 5.57E-04 | 4.53E-04 | 2.15E-04 | 7.20E-03 | 3.17E-05 | 3.95E-05 | 1.03E-03 |
| SKELETON BONE | G | 3.52E-04 | 3.51E-04 | 1.33E-03 | 1.33E-03 | 8.89E-04 | 9.91E-04 | 3.36E-04 | 2.98E-04 | 2.58E-04 | 2.91E-04 | 5.71E-04 |
| | B | 0.0 | 0.0 | 5.06E-03 | 2.99E-03 | 1.38E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 3.52E-04 | 3.51E-04 | 6.39E-03 | 4.33E-03 | 2.27E-03 | 9.91E-04 | 3.36E-04 | 2.98E-04 | 2.58E-04 | 2.91E-04 | 9.32E-04 |
| R MARROW | G | 1.15E-03 | 6.58E-04 | 1.20E-03 | 1.20E-03 | 2.83E-03 | 1.02E-03 | 3.13E-04 | 4.37E-04 | 2.03E-04 | 3.18E-04 | 6.29E-04 |
| | B | 0.0 | 0.0 | 2.66E-04 | 6.89E-03 | 1.16E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 1.15E-03 | 6.58E-04 | 1.46E-03 | 8.08E-03 | 1.44E-02 | 1.02E-03 | 3.13E-04 | 4.37E-04 | 2.03E-04 | 3.18E-04 | 9.90E-04 |
| Y MARROW | G | 4.67E-04 | 4.13E-04 | 1.15E-03 | 1.15E-03 | 1.10E-03 | 1.68E-03 | 3.56E-04 | 4.46E-04 | 1.13E-04 | 1.57E-04 | 5.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.69E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 4.67E-04 | 4.13E-04 | 1.15E-03 | 1.15E-03 | 1.10E-03 | 1.85E-02 | 3.56E-04 | 4.46E-04 | 1.13E-04 | 1.57E-04 | 8.95E-04 |
| T E CL | G | 3.52E-04 | 3.51E-04 | 1.33E-03 | 1.33E-03 | 1.20E-03 | 1.09E-03 | 3.36E-04 | 2.98E-04 | 2.58E-04 | 2.91E-04 | 5.71E-04 |
| | B | 0.0 | 0.0 | 3.21E-03 | 5.11E-03 | 5.03E-03 | 4.22E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 3.52E-04 | 3.51E-04 | 4.55E-03 | 6.44E-03 | 6.22E-03 | 5.31E-03 | 3.36E-04 | 2.98E-04 | 2.58E-04 | 2.91E-04 | 9.32E-04 |
| SKIN | G | 2.16E-04 | 2.12E-04 | 3.43E-04 | 3.43E-04 | 2.98E-04 | 3.80E-04 | 8.05E-04 | 2.52E-04 | 6.20E-04 | 3.53E-04 | 3.65E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.73E-03 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 2.16E-04 | 2.12E-04 | 3.43E-04 | 3.43E-04 | 2.98E-04 | 3.80E-04 | 1.05E-02 | 2.52E-04 | 6.20E-04 | 3.53E-04 | 7.26E-04 |
| SPLEEN | G | 2.57E-04 | 7.15E-03 | 3.32E-04 | 3.32E-04 | 3.68E-04 | 4.21E-04 | 2.81E-04 | 4.97E-02 | 3.93E-05 | 6.75E-05 | 6.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-01 | 0.0 | 0.0 | 3.61E-04 |
| | T | 2.57E-04 | 7.15E-03 | 3.32E-04 | 3.32E-04 | 3.68E-04 | 4.21E-04 | 2.81E-04 | 1.90E-01 | 3.93E-05 | 6.75E-05 | 1.04E-03 |
| TESTES | G | 5.66E-48 | 3.91E-05 | 2.55E-04 | 2.55E-04 | 1.64E-04 | 3.68E-04 | 3.51E-04 | 4.28E-05 | 1.38E-01 | 2.36E-06 | 6.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.23E-01 | 0.0 | 3.61E-04 |
| | T | 5.66E-48 | 3.91E-05 | 2.55E-04 | 2.55E-04 | 1.64E-04 | 3.68E-04 | 3.51E-04 | 4.28E-05 | 8.61E-01 | 2.36E-06 | 1.06E-03 |
| THYMUS | G | 2.86E-05 | 2.16E-04 | 3.05E-04 | 3.05E-04 | 2.38E-04 | 1.73E-04 | 3.11E-04 | 2.21E-04 | 6.41E-06 | 1.62E-03 | 5.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 2.86E-05 | 2.16E-04 | 3.05E-04 | 3.05E-04 | 2.38E-04 | 1.73E-04 | 3.11E-04 | 2.21E-04 | 6.41E-06 | 1.62E-03 | 9.28E-04 |
| THYROID | G | 9.76E-06 | 4.92E-05 | 3.27E-04 | 3.27E-04 | 3.58E-04 | 2.03E-04 | 3.08E-04 | 6.37E-05 | 2.36E-06 | 1.86E-01 | 5.82E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E 00 | 3.61E-04 |
| | T | 9.76E-06 | 4.92E-05 | 3.27E-04 | 3.27E-04 | 3.58E-04 | 2.03E-04 | 3.08E-04 | 6.37E-05 | 2.36E-06 | 1.45E 00 | 9.44E-04 |
| UTERUS | G | 6.65E-03 | 2.43E-04 | 2.89E-04 | 2.89E-04 | 6.81E-04 | 2.60E-04 | 2.61E-04 | 2.04E-04 | 5.66E-48 | 9.31E-06 | 7.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.61E-04 |
| | T | 6.65E-03 | 2.43E-04 | 2.89E-04 | 2.89E-04 | 6.81E-04 | 2.60E-04 | 2.61E-04 | 2.04E-04 | 5.66E-48 | 9.31E-06 | 1.16E-03 |
| T BODY | G | 7.69E-04 | 7.53E-04 | 5.59E-04 | 5.59E-04 | 6.19E-04 | 5.00E-04 | 3.67E-04 | 6.55E-04 | 5.58E-04 | 5.09E-04 | 5.63E-04 |
| | B | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 | 3.61E-04 |
| | T | 1.13E-03 | 1.11E-03 | 9.21E-04 | 9.21E-04 | 9.81E-04 | 8.62E-04 | 7.28E-04 | 1.02E-03 | 9.20E-04 | 8.70E-04 | 9.24E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-CARTER, H. K. ET AL., PHYS. REV. C1, 649 (1970)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 53-IODINE-133 (TR=2.080E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.69E-02 | 2.43E-05 | 2.24E-04 | 1.26E-04 | 1.08E-04 | 5.09E-05 | 1.27E-03 | 4.97E-04 | 2.47E-04 | 2.47E-04 | 1.57E-04 |
| | B | 1.51E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.55E 00 | 2.43E-05 | 2.24E-04 | 1.26E-04 | 1.08E-04 | 5.09E-05 | 1.27E-03 | 4.97E-04 | 2.47E-04 | 2.47E-04 | 1.57E-04 |
| BLAD WALL | G | 1.42E-05 | 7.50E-03 | 4.77E-05 | 3.29E-04 | 1.97E-04 | 5.70E-04 | 4.12E-05 | 3.27E-05 | 8.04E-06 | 8.04E-06 | 1.82E-04 |
| | B | 0.0 | 5.27E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.42E-05 | 6.02E-02 | 4.77E-05 | 3.29E-04 | 1.97E-04 | 5.70E-04 | 4.12E-05 | 3.27E-05 | 8.04E-06 | 8.04E-06 | 1.82E-04 |
| GI TRACT S WALL | G | 3.01E-04 | 3.72E-05 | 5.29E-03 | 3.49E-04 | 3.67E-04 | 1.80E-04 | 3.40E-04 | 1.95E-04 | 1.90E-04 | 1.90E-04 | 1.44E-04 |
| | B | 0.0 | 0.0 | 4.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.01E-04 | 3.72E-05 | 4.75E-02 | 3.49E-04 | 3.67E-04 | 1.80E-04 | 3.40E-04 | 1.95E-04 | 1.90E-04 | 1.90E-04 | 1.44E-04 |
| SI+CONT | G | 9.89E-05 | 2.69E-04 | 2.67E-04 | 3.15E-03 | 1.65E-03 | 9.09E-04 | 2.82E-04 | 1.62E-04 | 2.96E-05 | 2.96E-05 | 1.58E-04 |
| | B | 0.0 | 0.0 | 0.0 | 2.64E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.89E-05 | 2.69E-04 | 2.67E-04 | 2.95E-02 | 1.65E-03 | 9.09E-04 | 2.82E-04 | 1.62E-04 | 2.96E-05 | 2.96E-05 | 1.58E-04 |
| ULI WALL | G | 1.08E-04 | 2.34E-04 | 3.34E-04 | 2.32E-03 | 4.36E-03 | 4.27E-04 | 2.94E-04 | 2.58E-04 | 4.02E-05 | 4.02E-05 | 1.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.79E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.08E-04 | 2.34E-04 | 3.34E-04 | 2.32E-03 | 5.23E-02 | 4.27E-04 | 2.94E-04 | 2.58E-04 | 4.02E-05 | 4.02E-05 | 1.67E-04 |
| LLI WALL | G | 3.51E-05 | 7.15E-04 | 1.32E-04 | 6.90E-04 | 3.11E-04 | 5.24E-03 | 9.09E-05 | 3.28E-05 | 8.30E-06 | 8.30E-06 | 1.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.81E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.51E-05 | 7.15E-04 | 1.32E-04 | 6.90E-04 | 3.11E-04 | 8.34E-02 | 9.09E-05 | 3.28E-05 | 8.30E-06 | 8.30E-06 | 1.73E-04 |
| KIDNEYS | G | 1.16E-03 | 3.98E-05 | 3.36E-04 | 3.23E-04 | 2.80E-04 | 8.70E-05 | 7.44E-03 | 3.83E-04 | 1.07E-04 | 1.07E-04 | 1.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.81E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-03 | 3.98E-05 | 3.36E-04 | 3.23E-04 | 2.80E-04 | 8.70E-05 | 7.55E-02 | 3.83E-04 | 1.07E-04 | 1.07E-04 | 1.47E-04 |
| LIVER | G | 4.96E-04 | 2.96E-05 | 2.07E-04 | 1.86E-04 | 2.52E-04 | 3.69E-05 | 4.05E-04 | 2.61E-03 | 2.43E-04 | 2.43E-04 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-02 | 0.0 | 0.0 | 0.0 |
| | T | 4.96E-04 | 2.96E-05 | 2.07E-04 | 1.86E-04 | 2.52E-04 | 3.69E-05 | 4.05E-04 | 1.43E-02 | 2.43E-04 | 2.43E-04 | 1.15E-04 |
| LUNGS | G | 2.39E-04 | 5.75E-06 | 1.89E-04 | 3.48E-05 | 3.67E-05 | 1.18E-05 | 9.85E-05 | 2.46E-04 | 1.48E-03 | 1.48E-03 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.11E-02 | 2.11E-02 | 0.0 |
| | T | 2.39E-04 | 5.75E-06 | 1.89E-04 | 3.48E-05 | 3.67E-05 | 1.18E-05 | 9.85E-05 | 2.46E-04 | 2.26E-02 | 2.26E-02 | 1.37E-04 |
| RESP LYM NODE | G | 2.39E-04 | 5.75E-06 | 1.89E-04 | 3.48E-05 | 3.67E-05 | 1.18E-05 | 9.85E-05 | 2.46E-04 | 1.48E-03 | 1.48E-03 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.11E-02 | 1.41E 00 | 0.0 |
| | T | 2.39E-04 | 5.75E-06 | 1.89E-04 | 3.48E-05 | 3.67E-05 | 1.18E-05 | 9.85E-05 | 2.46E-04 | 2.26E-02 | 1.41E 00 | 1.37E-04 |
| MUSCLE* | G | 1.57E-04 | 1.82E-04 | 1.44E-04 | 1.58E-04 | 1.52E-04 | 1.73E-04 | 1.47E-04 | 1.15E-04 | 1.37E-04 | 1.37E-04 | 1.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.53E-04 |
| | T | 1.57E-04 | 1.82E-04 | 1.44E-04 | 1.58E-04 | 1.52E-04 | 1.73E-04 | 1.47E-04 | 1.15E-04 | 1.37E-04 | 1.37E-04 | 9.09E-04 |
| OVARIES | G | 5.41E-05 | 6.17E-04 | 6.96E-05 | 9.14E-04 | 1.19E-03 | 1.64E-03 | 1.26E-04 | 3.26E-05 | 1.62E-05 | 1.62E-05 | 2.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.41E-05 | 6.17E-04 | 6.96E-05 | 9.14E-04 | 1.19E-03 | 1.64E-03 | 1.26E-04 | 3.26E-05 | 1.62E-05 | 1.62E-05 | 2.03E-04 |

53-IODINE-133 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 8.63E-04 | 2.73E-05 | 1.77E-03 | 2.10E-04 | 1.88E-04 | 7.62E-05 | 6.75E-04 | 4.79E-04 | 2.75E-04 | 2.75E-04 | 1.84E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.63E-04 | 2.73E-05 | 1.77E-03 | 2.10E-04 | 1.88E-04 | 7.62E-05 | 6.75E-04 | 4.79E-04 | 2.75E-04 | 2.75E-04 | 1.84E-04 |
| SKELETON BONE | G | 1.39E-04 | 5.96E-05 | 6.16E-05 | 8.01E-05 | 7.34E-05 | 1.06E-04 | 1.00E-04 | 7.49E-05 | 1.02E-04 | 1.02E-04 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.39E-04 | 5.96E-05 | 6.16E-05 | 8.01E-05 | 7.34E-05 | 1.06E-04 | 1.00E-04 | 7.49E-05 | 1.02E-04 | 1.02E-04 | 1.14E-04 |
| R MARROW | G | 2.49E-04 | 1.27E-04 | 1.06E-04 | 2.53E-04 | 2.18E-04 | 3.17E-04 | 2.54E-04 | 1.09E-04 | 1.29E-04 | 1.29E-04 | 1.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.49E-04 | 1.27E-04 | 1.06E-04 | 2.53E-04 | 2.18E-04 | 3.17E-04 | 2.54E-04 | 1.09E-04 | 1.29E-04 | 1.29E-04 | 1.40E-04 |
| Y MARROW | G | 1.35E-04 | 5.46E-05 | 8.56E-05 | 1.11E-04 | 1.04E-04 | 1.31E-04 | 1.25E-04 | 1.10E-04 | 1.07E-04 | 1.07E-04 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-04 | 5.46E-05 | 8.56E-05 | 1.11E-04 | 1.04E-04 | 1.31E-04 | 1.25E-04 | 1.10E-04 | 1.07E-04 | 1.07E-04 | 1.14E-04 |
| T E CL | G | 1.39E-04 | 5.96E-05 | 6.16E-05 | 8.01E-05 | 7.34E-05 | 1.06E-04 | 1.00E-04 | 7.49E-05 | 1.02E-04 | 1.02E-04 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.39E-04 | 5.96E-05 | 6.16E-05 | 8.01E-05 | 7.34E-05 | 1.06E-04 | 1.00E-04 | 7.49E-05 | 1.02E-04 | 1.02E-04 | 1.14E-04 |
| SKIN | G | 7.13E-05 | 6.80E-05 | 6.16E-05 | 5.59E-05 | 5.75E-05 | 6.15E-05 | 6.86E-05 | 6.26E-05 | 7.03E-05 | 7.03E-05 | 9.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.13E-05 | 6.80E-05 | 6.16E-05 | 5.59E-05 | 5.75E-05 | 6.15E-05 | 6.86E-05 | 6.26E-05 | 7.03E-05 | 7.03E-05 | 9.46E-05 |
| SPLEEN | G | 6.49E-04 | 2.37E-05 | 9.68E-04 | 1.61E-04 | 1.29E-04 | 9.89E-05 | 8.46E-04 | 1.05E-04 | 2.17E-04 | 2.17E-04 | 1.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.49E-04 | 2.37E-05 | 9.68E-04 | 1.61E-04 | 1.29E-04 | 9.89E-05 | 8.46E-04 | 1.05E-04 | 2.17E-04 | 2.17E-04 | 1.51E-04 |
| TESTES | G | 7.76E-06 | 5.14E-04 | 5.56E-06 | 4.11E-05 | 5.35E-05 | 2.01E-04 | 1.60E-05 | 1.43E-05 | 2.80E-06 | 2.80E-06 | 1.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.76E-06 | 5.14E-04 | 5.56E-06 | 4.11E-05 | 5.35E-05 | 2.01E-04 | 1.60E-05 | 1.43E-05 | 2.80E-06 | 2.80E-06 | 1.28E-04 |
| THYMUS | G | 9.11E-05 | 3.62E-06 | 3.58E-05 | 1.49E-05 | 1.62E-05 | 6.40E-06 | 3.65E-05 | 1.26E-04 | 3.86E-04 | 3.86E-04 | 1.70E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.11E-05 | 3.62E-06 | 3.58E-05 | 1.49E-05 | 1.62E-05 | 6.40E-06 | 3.65E-05 | 1.26E-04 | 3.86E-04 | 3.86E-04 | 1.70E-04 |
| THYROID | G | 2.11E-05 | 1.16E-06 | 1.62E-05 | 4.48E-06 | 4.78E-06 | 2.11E-06 | 1.03E-05 | 1.94E-05 | 1.26E-04 | 1.26E-04 | 1.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.11E-05 | 1.16E-06 | 1.62E-05 | 4.48E-06 | 4.78E-06 | 2.11E-06 | 1.03E-05 | 1.94E-05 | 1.26E-04 | 1.26E-04 | 1.41E-04 |
| UTERUS | G | 4.18E-05 | 1.51E-03 | 9.38E-05 | 8.81E-04 | 4.63E-04 | 5.69E-04 | 8.72E-05 | 4.53E-05 | 1.11E-05 | 1.11E-05 | 2.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.18E-05 | 1.51E-03 | 9.38E-05 | 8.81E-04 | 4.63E-04 | 5.69E-04 | 8.72E-05 | 4.53E-05 | 1.11E-05 | 1.11E-05 | 2.06E-04 |
| T BODY | G | 1.72E-04 | 1.91E-04 | 1.82E-04 | 2.00E-04 | 1.95E-04 | 1.94E-04 | 1.74E-04 | 1.74E-04 | 1.48E-04 | 1.48E-04 | 1.48E-04 |
| | B | 3.01E-04 | 3.39E-05 | 9.04E-05 | 2.41E-04 | 1.44E-04 | 1.79E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 |
| | T | 4.73E-04 | 2.25E-04 | 2.72E-04 | 4.41E-04 | 3.39E-04 | 3.72E-04 | 4.75E-04 | 4.75E-04 | 4.50E-04 | 4.50E-04 | 4.49E-04 |

CONTINUED NEXT PAGE

53-IODINE-133 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 6.17E-05 | 8.37E-04 | 1.79E-04 | 1.79E-04 | 1.99E-04 | 1.03E-04 | 7.16E-05 | 6.36E-04 | 7.76E-06 | 2.09E-05 | 2.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 6.17E-05 | 8.37E-04 | 1.79E-04 | 1.79E-04 | 1.99E-04 | 1.03E-04 | 7.16E-05 | 6.36E-04 | 7.76E-06 | 2.09E-05 | 5.33E-04 |
| BLAD WALL | G | 6.87E-04 | 1.97E-05 | 6.47E-05 | 6.47E-05 | 7.90E-05 | 2.83E-05 | 6.82E-05 | 1.82E-05 | 5.22E-04 | 1.17E-06 | 1.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 6.87E-04 | 1.97E-05 | 6.47E-05 | 6.47E-05 | 7.90E-05 | 2.83E-05 | 6.82E-05 | 1.82E-05 | 5.22E-04 | 1.17E-06 | 4.91E-04 |
| GI TRACT S WALL | G | 8.58E-05 | 1.73E-03 | 5.96E-05 | 5.96E-05 | 1.06E-04 | 7.66E-05 | 6.71E-05 | 9.96E-04 | 1.16E-05 | 1.37E-05 | 1.79E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 8.58E-05 | 1.73E-03 | 5.96E-05 | 5.96E-05 | 1.06E-04 | 7.66E-05 | 6.71E-05 | 9.96E-04 | 1.16E-05 | 1.37E-05 | 4.81E-04 |
| SI+CONT | G | 1.19E-03 | 1.81E-04 | 8.31E-05 | 8.31E-05 | 2.73E-04 | 1.08E-04 | 5.79E-05 | 1.43E-04 | 5.53E-05 | 1.53E-06 | 2.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 1.19E-03 | 1.81E-04 | 8.31E-05 | 8.31E-05 | 2.73E-04 | 1.08E-04 | 5.79E-05 | 1.43E-04 | 5.53E-05 | 1.53E-06 | 5.03E-04 |
| ULI WALL | G | 1.12E-03 | 2.22E-04 | 7.35E-05 | 7.35E-05 | 2.08E-04 | 8.87E-05 | 6.13E-05 | 1.44E-04 | 3.48E-05 | 1.92E-06 | 1.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 1.12E-03 | 2.22E-04 | 7.35E-05 | 7.35E-05 | 2.08E-04 | 8.87E-05 | 6.13E-05 | 1.44E-04 | 3.48E-05 | 1.92E-06 | 4.99E-04 |
| LLI WALL | G | 1.43E-03 | 5.62E-05 | 9.92E-05 | 9.92E-05 | 3.12E-04 | 8.53E-05 | 6.32E-05 | 7.06E-05 | 2.81E-04 | 1.78E-06 | 2.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 1.43E-03 | 5.62E-05 | 9.92E-05 | 9.92E-05 | 3.12E-04 | 8.53E-05 | 6.32E-05 | 7.06E-05 | 2.81E-04 | 1.78E-06 | 5.04E-04 |
| KIDNEYS | G | 1.16E-04 | 6.30E-04 | 9.86E-05 | 9.86E-05 | 2.44E-04 | 1.24E-04 | 7.79E-05 | 8.62E-04 | 1.16E-05 | 6.87E-06 | 1.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 1.16E-04 | 6.30E-04 | 9.86E-05 | 9.86E-05 | 2.44E-04 | 1.24E-04 | 7.79E-05 | 8.62E-04 | 1.16E-05 | 6.87E-06 | 4.82E-04 |
| LIVER | G | 6.40E-05 | 4.18E-04 | 7.32E-05 | 7.32E-05 | 1.05E-04 | 1.13E-04 | 6.99E-05 | 1.10E-04 | 6.57E-06 | 1.73E-05 | 1.79E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 6.40E-05 | 4.18E-04 | 7.32E-05 | 7.32E-05 | 1.05E-04 | 1.13E-04 | 6.99E-05 | 1.10E-04 | 6.57E-06 | 1.73E-05 | 4.80E-04 |
| LUNGS | G | 1.27E-05 | 2.42E-04 | 1.01E-04 | 1.01E-04 | 1.24E-04 | 1.03E-04 | 7.08E-05 | 2.23E-04 | 1.89E-06 | 1.11E-04 | 1.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 1.27E-05 | 2.42E-04 | 1.01E-04 | 1.01E-04 | 1.24E-04 | 1.03E-04 | 7.08E-05 | 2.23E-04 | 1.89E-06 | 1.11E-04 | 4.57E-04 |
| RESP LYM NODE | G | 1.27E-05 | 2.42E-04 | 1.01E-04 | 1.01E-04 | 1.24E-04 | 1.03E-04 | 7.08E-05 | 2.23E-04 | 1.89E-06 | 1.11E-04 | 1.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 1.27E-05 | 2.42E-04 | 1.01E-04 | 1.01E-04 | 1.24E-04 | 1.03E-04 | 7.08E-05 | 2.23E-04 | 1.89E-06 | 1.11E-04 | 4.57E-04 |
| MUSCLE* | G | 2.03E-04 | 1.84E-04 | 1.14E-04 | 1.14E-04 | 1.34E-04 | 1.06E-04 | 9.46E-05 | 1.51E-04 | 1.28E-04 | 1.41E-04 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 2.03E-04 | 1.84E-04 | 1.14E-04 | 1.14E-04 | 1.34E-04 | 1.06E-04 | 9.46E-05 | 1.51E-04 | 1.28E-04 | 1.41E-04 | 4.49E-04 |
| OVARIES | G | 7.76E-02 | 5.10E-05 | 1.09E-04 | 1.09E-04 | 3.55E-04 | 8.88E-05 | 3.72E-05 | 9.94E-05 | 3.64E-48 | 2.11E-06 | 1.69E-04 |
| | B | 1.92E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 2.00E 00 | 5.10E-05 | 1.09E-04 | 1.09E-04 | 3.55E-04 | 8.88E-05 | 3.72E-05 | 9.94E-05 | 3.64E-48 | 2.11E-06 | 4.71E-04 |

53-IODINE-133 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 6.33E-05 | 2.16E-02 | 9.56E-05 | 9.56E-05 | 1.65E-04 | 1.29E-04 | 5.88E-05 | 1.96E-03 | 5.47E-06 | 8.57E-06 | 1.75E-04 |
| | B | 0.0 | 2.11E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 6.33E-05 | 2.33E-01 | 9.56E-05 | 9.56E-05 | 1.65E-04 | 1.29E-04 | 5.88E-05 | 1.96E-03 | 5.47E-06 | 8.57E-06 | 4.77E-04 |
| SKELETON BONE | G | 9.39E-05 | 9.36E-05 | 3.54E-04 | 3.54E-04 | 2.37E-04 | 2.63E-04 | 8.77E-05 | 7.87E-05 | 6.78E-05 | 7.73E-05 | 1.52E-04 |
| | B | 0.0 | 0.0 | 4.22E-03 | 2.57E-03 | 1.10E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 9.39E-05 | 9.36E-05 | 4.57E-03 | 2.92E-03 | 1.34E-03 | 2.63E-04 | 8.77E-05 | 7.87E-05 | 6.78E-05 | 7.73E-05 | 4.54E-04 |
| R MARROW | G | 3.11E-04 | 1.76E-04 | 3.16E-04 | 3.16E-04 | 7.57E-04 | 2.73E-04 | 8.16E-05 | 1.16E-04 | 5.37E-05 | 8.52E-05 | 1.68E-04 |
| | B | 0.0 | 0.0 | 1.66E-04 | 5.50E-03 | 9.96E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 3.11E-04 | 1.76E-04 | 4.82E-04 | 5.81E-03 | 1.07E-02 | 2.73E-04 | 8.16E-05 | 1.16E-04 | 5.37E-05 | 8.52E-05 | 4.69E-04 |
| Y MARROW | G | 1.25E-04 | 1.10E-04 | 3.05E-04 | 3.05E-04 | 2.92E-04 | 4.46E-04 | 9.29E-05 | 1.18E-04 | 2.93E-05 | 4.12E-05 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 1.25E-04 | 1.10E-04 | 3.05E-04 | 3.05E-04 | 2.92E-04 | 1.45E-02 | 9.29E-05 | 1.18E-04 | 2.93E-05 | 4.12E-05 | 4.44E-04 |
| T E CL | G | 9.39E-05 | 9.36E-05 | 3.54E-04 | 3.54E-04 | 3.19E-04 | 2.91E-04 | 8.77E-05 | 7.87E-05 | 6.78E-05 | 7.73E-05 | 1.52E-04 |
| | B | 0.0 | 0.0 | 2.70E-03 | 4.53E-03 | 4.01E-03 | 3.52E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 9.39E-05 | 9.36E-05 | 3.06E-03 | 4.88E-03 | 4.33E-03 | 3.81E-03 | 8.77E-05 | 7.87E-05 | 6.78E-05 | 7.73E-05 | 4.54E-04 |
| SKIN | G | 5.50E-05 | 5.34E-05 | 8.96E-05 | 8.96E-05 | 7.75E-05 | 9.98E-05 | 2.09E-04 | 6.56E-05 | 1.63E-04 | 9.01E-05 | 9.36E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-03 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 5.50E-05 | 5.34E-05 | 8.96E-05 | 8.96E-05 | 7.75E-05 | 9.98E-05 | 8.32E-03 | 6.56E-05 | 1.63E-04 | 9.01E-05 | 3.95E-04 |
| SPLEEN | G | 6.96E-05 | 1.93E-03 | 8.65E-05 | 8.65E-05 | 8.75E-05 | 1.04E-04 | 7.00E-05 | 1.33E-02 | 1.22E-05 | 1.49E-05 | 1.82E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-01 | 0.0 | 0.0 | 3.01E-04 |
| | T | 6.96E-05 | 1.93E-03 | 8.65E-05 | 8.65E-05 | 8.75E-05 | 1.04E-04 | 7.00E-05 | 1.30E-01 | 1.22E-05 | 1.49E-05 | 4.83E-04 |
| TESTES | G | 3.64E-48 | 7.86E-06 | 6.15E-05 | 6.15E-05 | 4.35E-05 | 9.86E-05 | 8.78E-05 | 1.03E-05 | 3.65E-02 | 4.47E-07 | 1.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.03E-01 | 0.0 | 3.01E-04 |
| | T | 3.64E-48 | 7.86E-06 | 6.15E-05 | 6.15E-05 | 4.35E-05 | 9.86E-05 | 8.78E-05 | 1.03E-05 | 6.39E-01 | 4.47E-07 | 4.91E-04 |
| THYMUS | G | 6.73E-06 | 5.54E-05 | 7.88E-05 | 7.88E-05 | 5.22E-05 | 4.07E-05 | 8.59E-05 | 5.18E-05 | 1.34E-06 | 4.42E-04 | 1.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 6.73E-06 | 5.54E-05 | 7.88E-05 | 7.88E-05 | 5.22E-05 | 4.07E-05 | 8.59E-05 | 5.18E-05 | 1.34E-06 | 4.42E-04 | 4.55E-04 |
| THYROID | G | 2.11E-06 | 1.69E-05 | 1.05E-04 | 1.05E-04 | 9.31E-05 | 4.81E-05 | 8.40E-05 | 1.58E-05 | 4.47E-07 | 4.92E-02 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E 00 | 3.01E-04 |
| | T | 2.11E-06 | 1.69E-05 | 1.05E-04 | 1.05E-04 | 9.31E-05 | 4.81E-05 | 8.40E-05 | 1.58E-05 | 4.47E-07 | 1.10E 00 | 4.51E-04 |
| UTERUS | G | 1.81E-03 | 6.42E-05 | 6.53E-05 | 6.53E-05 | 1.90E-04 | 6.77E-05 | 6.22E-05 | 4.96E-05 | 3.64E-48 | 2.01E-06 | 1.89E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-04 |
| | T | 1.81E-03 | 6.42E-05 | 6.53E-05 | 6.53E-05 | 1.90E-04 | 6.77E-05 | 6.22E-05 | 4.96E-05 | 3.64E-48 | 2.01E-06 | 4.90E-04 |
| T BODY | G | 2.04E-04 | 2.00E-04 | 1.47E-04 | 1.47E-04 | 1.63E-04 | 1.32E-04 | 9.49E-05 | 1.73E-04 | 1.47E-04 | 1.34E-04 | 1.48E-04 |
| | B | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 | 3.01E-04 |
| | T | 5.05E-04 | 5.01E-04 | 4.48E-04 | 4.48E-04 | 4.65E-04 | 4.33E-04 | 3.96E-04 | 4.74E-04 | 4.48E-04 | 4.35E-04 | 4.49E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-SAXENA, R.N. AND SHAMA, H. D., NUCL. PHYS. A171, 593 (1971)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 53-IODINE-134 (TR=5.300E 01 MIN)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.84E-01 | 1.01E-04 | 9.18E-04 | 4.84E-04 | 4.73E-04 | 2.00E-04 | 4.89E-03 | 1.92E-03 | 9.27E-04 | 9.27E-04 | 6.12E-04 |
| | B | 2.48E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.66E 00 | 1.01E-04 | 9.18E-04 | 4.84E-04 | 4.73E-04 | 2.00E-04 | 4.89E-03 | 1.92E-03 | 9.27E-04 | 9.27E-04 | 6.12E-04 |
| BLAD WALL | G | 8.95E-05 | 2.79E-02 | 1.94E-04 | 1.03E-03 | 8.21E-04 | 2.13E-03 | 1.82E-04 | 9.44E-05 | 3.62E-05 | 3.62E-05 | 7.04E-04 |
| | B | 0.0 | 8.67E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.95E-05 | 1.15E-01 | 1.94E-04 | 1.03E-03 | 8.21E-04 | 2.13E-03 | 1.82E-04 | 9.44E-05 | 3.62E-05 | 3.62E-05 | 7.04E-04 |
| GI TRACT S WALL | G | 1.17E-03 | 1.96E-04 | 2.03E-02 | 1.38E-03 | 1.41E-03 | 6.46E-04 | 1.30E-03 | 7.81E-04 | 7.71E-04 | 7.71E-04 | 5.64E-04 |
| | B | 0.0 | 0.0 | 6.94E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.17E-03 | 1.96E-04 | 8.96E-02 | 1.38E-03 | 1.41E-03 | 6.46E-04 | 1.30E-03 | 7.81E-04 | 7.71E-04 | 7.71E-04 | 5.64E-04 |
| SI+CONT | G | 3.89E-04 | 1.07E-03 | 1.01E-03 | 1.19E-02 | 6.25E-03 | 3.50E-03 | 1.11E-03 | 6.36E-04 | 1.27E-04 | 1.27E-04 | 6.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 4.33E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.89E-04 | 1.07E-03 | 1.01E-03 | 5.53E-02 | 6.25E-03 | 3.50E-03 | 1.11E-03 | 6.36E-04 | 1.27E-04 | 1.27E-04 | 6.15E-04 |
| ULI WALL | G | 4.43E-04 | 8.16E-04 | 1.25E-03 | 8.90E-03 | 1.70E-02 | 1.60E-03 | 1.14E-03 | 9.60E-04 | 1.67E-04 | 1.67E-04 | 6.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.88E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.43E-04 | 8.16E-04 | 1.25E-03 | 8.90E-03 | 9.58E-02 | 1.60E-03 | 1.14E-03 | 9.60E-04 | 1.67E-04 | 1.67E-04 | 6.51E-04 |
| LLI WALL | G | 1.19E-04 | 2.67E-03 | 5.45E-04 | 2.69E-03 | 1.27E-03 | 2.00E-02 | 3.59E-04 | 1.20E-04 | 3.60E-05 | 3.60E-05 | 6.74E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.19E-04 | 2.67E-03 | 5.45E-04 | 2.69E-03 | 1.27E-03 | 1.48E-01 | 3.59E-04 | 1.20E-04 | 3.60E-05 | 3.60E-05 | 6.74E-04 |
| KIDNEYS | G | 4.41E-03 | 1.54E-04 | 1.30E-03 | 1.25E-03 | 1.13E-03 | 3.69E-04 | 2.81E-02 | 1.47E-03 | 4.05E-04 | 4.05E-04 | 5.76E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.41E-03 | 1.54E-04 | 1.30E-03 | 1.25E-03 | 1.13E-03 | 3.69E-04 | 1.40E-01 | 1.47E-03 | 4.05E-04 | 4.05E-04 | 5.76E-04 |
| LIVER | G | 1.88E-03 | 1.23E-04 | 7.92E-04 | 7.40E-04 | 9.92E-04 | 1.56E-04 | 1.53E-03 | 9.97E-03 | 9.46E-04 | 9.46E-04 | 4.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.93E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.88E-03 | 1.23E-04 | 7.92E-04 | 7.40E-04 | 9.92E-04 | 1.56E-04 | 1.53E-03 | 2.92E-02 | 9.46E-04 | 9.46E-04 | 4.51E-04 |
| LUNGS | G | 9.43E-04 | 3.11E-05 | 7.13E-04 | 1.41E-04 | 1.62E-04 | 6.13E-05 | 3.96E-04 | 9.68E-04 | 5.64E-03 | 5.64E-03 | 5.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.47E-02 | 3.47E-02 | 0.0 |
| | T | 9.43E-04 | 3.11E-05 | 7.13E-04 | 1.41E-04 | 1.62E-04 | 6.13E-05 | 3.96E-04 | 9.68E-04 | 4.03E-02 | 4.03E-02 | 5.30E-04 |
| RESP LYM NODE | G | 9.43E-04 | 3.11E-05 | 7.13E-04 | 1.41E-04 | 1.62E-04 | 6.13E-05 | 3.96E-04 | 9.68E-04 | 5.64E-03 | 5.64E-03 | 5.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.47E-02 | 2.31E 00 | 0.0 |
| | T | 9.43E-04 | 3.11E-05 | 7.13E-04 | 1.41E-04 | 1.62E-04 | 6.13E-05 | 3.96E-04 | 9.68E-04 | 4.03E-02 | 2.32E 00 | 5.30E-04 |
| MUSCLE* | G | 6.12E-04 | 7.04E-04 | 5.64E-04 | 6.15E-04 | 5.90E-04 | 6.74E-04 | 5.76E-04 | 4.51E-04 | 5.30E-04 | 5.30E-04 | 6.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-03 |
| | T | 6.12E-04 | 7.04E-04 | 5.64E-04 | 6.15E-04 | 5.90E-04 | 6.74E-04 | 5.76E-04 | 4.51E-04 | 5.30E-04 | 5.30E-04 | 1.85E-03 |
| OVARIES | G | 2.05E-04 | 2.03E-03 | 4.80E-04 | 3.84E-03 | 3.47E-03 | 6.60E-03 | 5.90E-04 | 2.55E-04 | 6.86E-05 | 6.86E-05 | 7.87E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.05E-04 | 2.03E-03 | 4.80E-04 | 3.84E-03 | 3.47E-03 | 6.60E-03 | 5.90E-04 | 2.55E-04 | 6.86E-05 | 6.86E-05 | 7.87E-04 |

53-IODINE-134 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.42E-03 | 1.18E-04 | 6.59E-03 | 7.99E-04 | 8.08E-04 | 2.96E-04 | 2.68E-03 | 1.72E-03 | 9.47E-04 | 9.47E-04 | 7.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.42E-03 | 1.18E-04 | 6.59E-03 | 7.99E-04 | 8.08E-04 | 2.96E-04 | 2.68E-03 | 1.72E-03 | 9.47E-04 | 9.47E-04 | 7.07E-04 |
| SKELETON BONE | G | 5.38E-04 | 2.25E-04 | 2.35E-04 | 3.12E-04 | 2.78E-04 | 4.04E-04 | 3.86E-04 | 2.87E-04 | 3.92E-04 | 3.92E-04 | 4.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.38E-04 | 2.25E-04 | 2.35E-04 | 3.12E-04 | 2.78E-04 | 4.04E-04 | 3.86E-04 | 2.87E-04 | 3.92E-04 | 3.92E-04 | 4.49E-04 |
| R MARROW | G | 9.54E-04 | 4.71E-04 | 3.98E-04 | 9.65E-04 | 8.11E-04 | 1.20E-03 | 9.68E-04 | 4.09E-04 | 4.96E-04 | 4.96E-04 | 5.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.54E-04 | 4.71E-04 | 3.98E-04 | 9.65E-04 | 8.11E-04 | 1.20E-03 | 9.68E-04 | 4.09E-04 | 4.96E-04 | 4.96E-04 | 5.30E-04 |
| Y MARROW | G | 5.23E-04 | 2.08E-04 | 3.27E-04 | 4.29E-04 | 3.94E-04 | 4.97E-04 | 4.78E-04 | 4.26E-04 | 4.13E-04 | 4.13E-04 | 4.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.23E-04 | 2.08E-04 | 3.27E-04 | 4.29E-04 | 3.94E-04 | 4.97E-04 | 4.78E-04 | 4.26E-04 | 4.13E-04 | 4.13E-04 | 4.34E-04 |
| T E CL | G | 5.38E-04 | 2.25E-04 | 2.35E-04 | 3.12E-04 | 2.78E-04 | 4.04E-04 | 3.86E-04 | 2.87E-04 | 3.92E-04 | 3.92E-04 | 4.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.38E-04 | 2.25E-04 | 2.35E-04 | 3.12E-04 | 2.78E-04 | 4.04E-04 | 3.86E-04 | 2.87E-04 | 3.92E-04 | 3.92E-04 | 4.49E-04 |
| SKIN | G | 2.93E-04 | 2.80E-04 | 2.50E-04 | 2.32E-04 | 2.29E-04 | 2.51E-04 | 2.72E-04 | 2.53E-04 | 2.80E-04 | 2.80E-04 | 3.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.93E-04 | 2.80E-04 | 2.50E-04 | 2.32E-04 | 2.29E-04 | 2.51E-04 | 2.72E-04 | 2.53E-04 | 2.80E-04 | 2.80E-04 | 3.80E-04 |
| SPLEEN | G | 2.43E-03 | 1.01E-04 | 3.73E-03 | 6.30E-04 | 5.43E-04 | 4.16E-04 | 3.29E-03 | 4.40E-04 | 8.55E-04 | 8.55E-04 | 5.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.43E-03 | 1.01E-04 | 3.73E-03 | 6.30E-04 | 5.43E-04 | 4.16E-04 | 3.29E-03 | 4.40E-04 | 8.55E-04 | 8.55E-04 | 5.88E-04 |
| TESTES | G | 3.53E-05 | 1.93E-03 | 5.44E-05 | 2.04E-04 | 2.21E-04 | 6.70E-04 | 6.85E-05 | 8.51E-05 | 1.40E-05 | 1.40E-05 | 5.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.53E-05 | 1.93E-03 | 5.44E-05 | 2.04E-04 | 2.21E-04 | 6.70E-04 | 6.85E-05 | 8.51E-05 | 1.40E-05 | 1.40E-05 | 5.04E-04 |
| THYMUS | G | 2.86E-04 | 1.77E-05 | 2.71E-04 | 6.39E-05 | 6.91E-05 | 2.93E-05 | 7.94E-05 | 3.71E-04 | 1.63E-03 | 1.63E-03 | 6.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.86E-04 | 1.77E-05 | 2.71E-04 | 6.39E-05 | 6.91E-05 | 2.93E-05 | 7.94E-05 | 3.71E-04 | 1.63E-03 | 1.63E-03 | 6.16E-04 |
| THYROID | G | 8.89E-05 | 6.42E-06 | 6.92E-05 | 2.14E-05 | 2.27E-05 | 1.07E-05 | 4.55E-05 | 8.16E-05 | 5.23E-04 | 5.23E-04 | 5.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.89E-05 | 6.42E-06 | 6.92E-05 | 2.14E-05 | 2.27E-05 | 1.07E-05 | 4.55E-05 | 8.16E-05 | 5.23E-04 | 5.23E-04 | 5.48E-04 |
| UTERUS | G | 1.95E-04 | 5.74E-03 | 3.86E-04 | 3.35E-03 | 1.86E-03 | 2.22E-03 | 3.49E-04 | 1.74E-04 | 5.34E-05 | 5.34E-05 | 9.62E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.95E-04 | 5.74E-03 | 3.86E-04 | 3.35E-03 | 1.86E-03 | 2.22E-03 | 3.49E-04 | 1.74E-04 | 5.34E-05 | 5.34E-05 | 9.62E-04 |
| T BODY | G | 6.70E-04 | 7.37E-04 | 7.05E-04 | 7.72E-04 | 7.57E-04 | 7.51E-04 | 6.74E-04 | 6.75E-04 | 5.74E-04 | 5.74E-04 | 5.80E-04 |
| | B | 4.95E-04 | 5.57E-05 | 1.49E-04 | 3.96E-04 | 2.36E-04 | 2.94E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 |
| | T | 1.17E-03 | 7.93E-04 | 8.53E-04 | 1.17E-03 | 9.94E-04 | 1.04E-03 | 1.17E-03 | 1.17E-03 | 1.07E-03 | 1.07E-03 | 1.08E-03 |

CONTINUED NEXT PAGE

53-IODINE-134 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.31E-04 | 2.87E-03 | 7.36E-04 | 7.36E-04 | 1.03E-03 | 3.02E-04 | 3.24E-04 | 2.71E-03 | 3.53E-05 | 8.78E-05 | 8.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 2.31E-04 | 2.87E-03 | 7.36E-04 | 7.36E-04 | 1.03E-03 | 3.02E-04 | 3.24E-04 | 2.71E-03 | 3.53E-05 | 8.78E-05 | 1.31E-03 |
| BLAD WALL | G | 2.74E-03 | 6.90E-05 | 2.11E-04 | 2.11E-04 | 4.09E-04 | 1.29E-04 | 3.06E-04 | 1.22E-04 | 2.07E-03 | 6.45E-06 | 7.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 2.74E-03 | 6.90E-05 | 2.11E-04 | 2.11E-04 | 4.09E-04 | 1.29E-04 | 3.06E-04 | 1.22E-04 | 2.07E-03 | 6.45E-06 | 1.28E-03 |
| GI TRACT S WALL | G | 3.27E-04 | 6.65E-03 | 2.25E-04 | 2.25E-04 | 4.57E-04 | 3.05E-04 | 2.69E-04 | 3.73E-03 | 3.95E-05 | 5.72E-05 | 6.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 3.27E-04 | 6.65E-03 | 2.25E-04 | 2.25E-04 | 4.57E-04 | 3.05E-04 | 2.69E-04 | 3.73E-03 | 3.95E-05 | 5.72E-05 | 1.17E-03 |
| SI+CONT | G | 4.47E-03 | 7.19E-04 | 3.33E-04 | 3.33E-04 | 1.04E-03 | 4.13E-04 | 2.40E-04 | 5.63E-04 | 2.19E-04 | 1.40E-05 | 7.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 4.47E-03 | 7.19E-04 | 3.33E-04 | 3.33E-04 | 1.04E-03 | 4.13E-04 | 2.40E-04 | 5.63E-04 | 2.19E-04 | 1.40E-05 | 1.27E-03 |
| ULI WALL | G | 4.21E-03 | 8.74E-04 | 3.08E-04 | 3.08E-04 | 7.69E-04 | 3.52E-04 | 2.59E-04 | 5.66E-04 | 1.62E-04 | 1.58E-05 | 7.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 4.21E-03 | 8.74E-04 | 3.08E-04 | 3.08E-04 | 7.69E-04 | 3.52E-04 | 2.59E-04 | 5.66E-04 | 1.62E-04 | 1.58E-05 | 1.24E-03 |
| LLI WALL | G | 5.35E-03 | 2.30E-04 | 4.17E-04 | 4.17E-04 | 1.19E-03 | 3.36E-04 | 2.64E-04 | 2.63E-04 | 9.74E-04 | 9.22E-06 | 7.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 5.35E-03 | 2.30E-04 | 4.17E-04 | 4.17E-04 | 1.19E-03 | 3.36E-04 | 2.64E-04 | 2.63E-04 | 9.74E-04 | 9.22E-06 | 1.28E-03 |
| KIDNEYS | G | 4.48E-04 | 2.41E-03 | 4.46E-04 | 4.46E-04 | 9.57E-04 | 4.75E-04 | 3.12E-04 | 3.25E-03 | 5.69E-05 | 4.45E-05 | 7.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 4.48E-04 | 2.41E-03 | 4.46E-04 | 4.46E-04 | 9.57E-04 | 4.75E-04 | 3.12E-04 | 3.25E-03 | 5.69E-05 | 4.45E-05 | 1.20E-03 |
| LIVER | G | 2.63E-04 | 1.60E-03 | 2.93E-04 | 2.93E-04 | 4.07E-04 | 4.46E-04 | 2.76E-04 | 4.34E-04 | 3.88E-05 | 7.78E-05 | 7.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 2.63E-04 | 1.60E-03 | 2.93E-04 | 2.93E-04 | 4.07E-04 | 4.46E-04 | 2.76E-04 | 4.34E-04 | 3.88E-05 | 7.78E-05 | 1.20E-03 |
| LUNGS | G | 6.12E-05 | 9.21E-04 | 4.00E-04 | 4.00E-04 | 4.90E-04 | 4.12E-04 | 2.87E-04 | 8.50E-04 | 1.13E-05 | 4.54E-04 | 5.74E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 6.12E-05 | 9.21E-04 | 4.00E-04 | 4.00E-04 | 4.90E-04 | 4.12E-04 | 2.87E-04 | 8.50E-04 | 1.13E-05 | 4.54E-04 | 1.07E-03 |
| RESP LYM NODE | G | 6.12E-05 | 9.21E-04 | 4.00E-04 | 4.00E-04 | 4.90E-04 | 4.12E-04 | 2.87E-04 | 8.50E-04 | 1.13E-05 | 4.54E-04 | 5.74E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 6.12E-05 | 9.21E-04 | 4.00E-04 | 4.00E-04 | 4.90E-04 | 4.12E-04 | 2.87E-04 | 8.50E-04 | 1.13E-05 | 4.54E-04 | 1.07E-03 |
| MUSCLE* | G | 7.87E-04 | 7.07E-04 | 4.49E-04 | 4.49E-04 | 5.26E-04 | 4.15E-04 | 3.80E-04 | 5.88E-04 | 5.04E-04 | 5.48E-04 | 5.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 7.87E-04 | 7.07E-04 | 4.49E-04 | 4.49E-04 | 5.26E-04 | 4.15E-04 | 3.80E-04 | 5.88E-04 | 5.04E-04 | 5.48E-04 | 1.08E-03 |
| OVARIES | G | 2.98E-01 | 3.38E-04 | 3.97E-04 | 3.97E-04 | 1.19E-03 | 3.70E-04 | 2.19E-04 | 2.70E-04 | 1.46E-48 | 1.10E-05 | 5.99E-04 |
| | B | 3.15E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 3.45E 00 | 3.38E-04 | 3.97E-04 | 3.97E-04 | 1.19E-03 | 3.70E-04 | 2.19E-04 | 2.70E-04 | 1.46E-48 | 1.10E-05 | 1.09E-03 |

53-IODINE-134 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.22E-04 | 8.30E-02 | 4.01E-04 | 4.01E-04 | 5.24E-04 | 4.39E-04 | 2.13E-04 | 7.25E-03 | 3.86E-05 | 4.11E-05 | 6.75E-04 |
| | B | 0.0 | 3.47E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 3.22E-04 | 4.30E-01 | 4.01E-04 | 4.01E-04 | 5.24E-04 | 4.39E-04 | 2.13E-04 | 7.25E-03 | 3.86E-05 | 4.11E-05 | 1.17E-03 |
| SKELETON BONE | G | 3.59E-04 | 3.58E-04 | 1.36E-03 | 1.36E-03 | 9.07E-04 | 1.01E-03 | 3.47E-04 | 3.06E-04 | 2.65E-04 | 2.98E-04 | 5.82E-04 |
| | B | 0.0 | 0.0 | 6.94E-03 | 4.01E-03 | 1.95E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 3.59E-04 | 3.58E-04 | 8.30E-03 | 5.37E-03 | 2.86E-03 | 1.01E-03 | 3.47E-04 | 3.06E-04 | 2.65E-04 | 2.98E-04 | 1.08E-03 |
| R MARROW | G | 1.17E-03 | 6.69E-04 | 1.23E-03 | 1.23E-03 | 2.88E-03 | 1.05E-03 | 3.23E-04 | 4.48E-04 | 2.08E-04 | 3.23E-04 | 6.41E-04 |
| | B | 0.0 | 0.0 | 4.64E-04 | 9.76E-03 | 1.54E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 1.17E-03 | 6.69E-04 | 1.69E-03 | 1.10E-02 | 1.83E-02 | 1.05E-03 | 3.23E-04 | 4.48E-04 | 2.08E-04 | 3.23E-04 | 1.14E-03 |
| Y MARROW | G | 4.75E-04 | 4.21E-04 | 1.18E-03 | 1.18E-03 | 1.12E-03 | 1.72E-03 | 3.68E-04 | 4.56E-04 | 1.16E-04 | 1.61E-04 | 5.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.31E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 4.75E-04 | 4.21E-04 | 1.18E-03 | 1.18E-03 | 1.12E-03 | 2.48E-02 | 3.68E-04 | 4.56E-04 | 1.16E-04 | 1.61E-04 | 1.04E-03 |
| T E CL | G | 3.59E-04 | 3.58E-04 | 1.36E-03 | 1.36E-03 | 1.22E-03 | 1.12E-03 | 3.47E-04 | 3.06E-04 | 2.65E-04 | 2.98E-04 | 5.82E-04 |
| | B | 0.0 | 0.0 | 4.34E-03 | 6.51E-03 | 7.22E-03 | 5.78E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 3.59E-04 | 3.58E-04 | 5.71E-03 | 7.87E-03 | 8.44E-03 | 6.90E-03 | 3.47E-04 | 3.06E-04 | 2.65E-04 | 2.98E-04 | 1.08E-03 |
| SKIN | G | 2.26E-04 | 2.24E-04 | 3.52E-04 | 3.52E-04 | 3.07E-04 | 3.90E-04 | 8.34E-04 | 2.61E-04 | 6.36E-04 | 3.69E-04 | 3.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.33E-02 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 2.26E-04 | 2.24E-04 | 3.52E-04 | 3.52E-04 | 3.07E-04 | 3.90E-04 | 1.42E-02 | 2.61E-04 | 6.36E-04 | 3.69E-04 | 8.75E-04 |
| SPLEEN | G | 2.57E-04 | 7.23E-03 | 3.45E-04 | 3.45E-04 | 4.02E-04 | 4.46E-04 | 3.01E-04 | 5.07E-02 | 3.49E-05 | 7.68E-05 | 6.95E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.93E-01 | 0.0 | 0.0 | 4.95E-04 |
| | T | 2.57E-04 | 7.23E-03 | 3.45E-04 | 3.45E-04 | 4.02E-04 | 4.46E-04 | 3.01E-04 | 2.43E-01 | 3.49E-05 | 7.68E-05 | 1.19E-03 |
| TESTES | G | 1.46E-48 | 4.57E-05 | 2.72E-04 | 2.72E-04 | 1.69E-04 | 3.74E-04 | 3.70E-04 | 4.58E-05 | 1.41E-01 | 2.76E-06 | 7.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.91E-01 | 0.0 | 4.95E-04 |
| | T | 1.46E-48 | 4.57E-05 | 2.72E-04 | 2.72E-04 | 1.69E-04 | 3.74E-04 | 3.70E-04 | 4.58E-05 | 1.13E 00 | 2.76E-06 | 1.20E-03 |
| THYMUS | G | 3.10E-05 | 2.23E-04 | 3.20E-04 | 3.20E-04 | 2.67E-04 | 1.85E-04 | 3.09E-04 | 2.46E-04 | 7.29E-06 | 1.61E-03 | 5.64E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 3.10E-05 | 2.23E-04 | 3.20E-04 | 3.20E-04 | 2.67E-04 | 1.85E-04 | 3.09E-04 | 2.46E-04 | 7.29E-06 | 1.61E-03 | 1.06E-03 |
| THYROID | G | 1.10E-05 | 3.82E-05 | 2.87E-04 | 2.87E-04 | 3.73E-04 | 2.18E-04 | 3.08E-04 | 6.75E-05 | 2.76E-06 | 1.90E-01 | 6.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.73E 00 | 4.95E-04 |
| | T | 1.10E-05 | 3.82E-05 | 2.87E-04 | 2.87E-04 | 3.73E-04 | 2.18E-04 | 3.08E-04 | 6.75E-05 | 2.76E-06 | 1.92E 00 | 1.11E-03 |
| UTERUS | G | 6.70E-03 | 2.48E-04 | 3.28E-04 | 3.28E-04 | 6.73E-04 | 2.69E-04 | 2.85E-04 | 2.23E-04 | 1.46E-48 | 1.05E-05 | 8.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.95E-04 |
| | T | 6.70E-03 | 2.48E-04 | 3.28E-04 | 3.28E-04 | 6.73E-04 | 2.69E-04 | 2.85E-04 | 2.23E-04 | 1.46E-48 | 1.05E-05 | 1.37E-03 |
| T BODY | G | 7.86E-04 | 7.69E-04 | 5.75E-04 | 5.75E-04 | 6.36E-04 | 5.14E-04 | 3.81E-04 | 6.71E-04 | 5.74E-04 | 5.22E-04 | 5.78E-04 |
| | B | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 | 4.95E-04 |
| | T | 1.28E-03 | 1.26E-03 | 1.07E-03 | 1.07E-03 | 1.13E-03 | 1.01E-03 | 8.76E-04 | 1.17E-03 | 1.07E-03 | 1.02E-03 | 1.07E-03 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA SHEET 61-2-97
DATE DECAY DATA REVIEWED-MARCH 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 53-IODINE-135 (TR=6.700E 00 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.14E-01 | 6.76E-05 | 7.32E-04 | 3.15E-04 | 2.96E-04 | 1.28E-04 | 3.00E-03 | 1.20E-03 | 5.11E-04 | 5.11E-04 | 3.88E-04 |
| | B | 1.43E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.54E 00 | 6.76E-05 | 7.32E-04 | 3.15E-04 | 2.96E-04 | 1.28E-04 | 3.00E-03 | 1.20E-03 | 5.11E-04 | 5.11E-04 | 3.88E-04 |
| BLAD WALL | G | 6.78E-05 | 1.73E-02 | 1.19E-04 | 7.19E-04 | 4.95E-04 | 1.47E-03 | 1.17E-04 | 6.26E-05 | 2.59E-05 | 2.59E-05 | 4.46E-04 |
| | B | 0.0 | 5.00E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.78E-05 | 6.73E-02 | 1.19E-04 | 7.19E-04 | 4.95E-04 | 1.47E-03 | 1.17E-04 | 6.26E-05 | 2.59E-05 | 2.59E-05 | 4.46E-04 |
| GI TRACT S WALL | G | 6.97E-04 | 1.27E-04 | 1.25E-02 | 8.84E-04 | 8.50E-04 | 4.07E-04 | 7.84E-04 | 5.02E-04 | 5.07E-04 | 5.07E-04 | 3.59E-04 |
| | B | 0.0 | 0.0 | 4.00E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.97E-04 | 1.27E-04 | 5.25E-02 | 8.84E-04 | 8.50E-04 | 4.07E-04 | 7.84E-04 | 5.02E-04 | 5.07E-04 | 5.07E-04 | 3.59E-04 |
| SI+CONT | G | 2.64E-04 | 6.88E-04 | 6.31E-04 | 7.45E-03 | 3.83E-03 | 2.20E-03 | 7.16E-04 | 4.10E-04 | 8.63E-05 | 8.63E-05 | 3.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 2.50E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.64E-04 | 6.88E-04 | 6.31E-04 | 3.24E-02 | 3.83E-03 | 2.20E-03 | 7.16E-04 | 4.10E-04 | 8.63E-05 | 8.63E-05 | 3.90E-04 |
| ULI WALL | G | 2.70E-04 | 5.03E-04 | 8.41E-04 | 5.57E-03 | 1.05E-02 | 1.04E-03 | 7.24E-04 | 5.78E-04 | 1.13E-04 | 1.13E-04 | 4.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.54E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.70E-04 | 5.03E-04 | 8.41E-04 | 5.57E-03 | 5.59E-02 | 1.04E-03 | 7.24E-04 | 5.78E-04 | 1.13E-04 | 1.13E-04 | 4.12E-04 |
| LLI WALL | G | 9.11E-05 | 1.72E-03 | 3.58E-04 | 1.70E-03 | 7.63E-04 | 1.25E-02 | 2.50E-04 | 8.59E-05 | 2.11E-05 | 2.11E-05 | 4.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.40E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.11E-05 | 1.72E-03 | 3.58E-04 | 1.70E-03 | 7.63E-04 | 8.66E-02 | 2.50E-04 | 8.59E-05 | 2.11E-05 | 2.11E-05 | 4.27E-04 |
| KIDNEYS | G | 2.68E-03 | 1.14E-04 | 8.14E-04 | 7.58E-04 | 7.06E-04 | 2.51E-04 | 1.76E-02 | 9.36E-04 | 2.64E-04 | 2.64E-04 | 3.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.68E-03 | 1.14E-04 | 8.14E-04 | 7.58E-04 | 7.06E-04 | 2.51E-04 | 8.21E-02 | 9.36E-04 | 2.64E-04 | 2.64E-04 | 3.67E-04 |
| LIVER | G | 1.19E-03 | 8.22E-05 | 5.07E-04 | 4.71E-04 | 6.32E-04 | 1.10E-04 | 9.56E-04 | 6.20E-03 | 5.94E-04 | 5.94E-04 | 2.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.11E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.19E-03 | 8.22E-05 | 5.07E-04 | 4.71E-04 | 6.32E-04 | 1.10E-04 | 9.56E-04 | 1.73E-02 | 5.94E-04 | 5.94E-04 | 2.86E-04 |
| LUNGS | G | 6.04E-04 | 2.38E-05 | 4.48E-04 | 9.07E-05 | 1.11E-04 | 4.64E-05 | 2.49E-04 | 6.22E-04 | 3.54E-03 | 3.54E-03 | 3.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-02 | 2.00E-02 | 0.0 |
| | T | 6.04E-04 | 2.38E-05 | 4.48E-04 | 9.07E-05 | 1.11E-04 | 4.64E-05 | 2.49E-04 | 6.22E-04 | 2.35E-02 | 2.35E-02 | 3.34E-04 |
| RESP LYM NODE | G | 6.04E-04 | 2.38E-05 | 4.48E-04 | 9.07E-05 | 1.11E-04 | 4.64E-05 | 2.49E-04 | 6.22E-04 | 3.54E-03 | 3.54E-03 | 3.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.00E-02 | 1.33E 00 | 0.0 |
| | T | 6.04E-04 | 2.38E-05 | 4.48E-04 | 9.07E-05 | 1.11E-04 | 4.64E-05 | 2.49E-04 | 6.22E-04 | 2.35E-02 | 1.34E 00 | 3.34E-04 |
| MUSCLE* | G | 3.88E-04 | 4.46E-04 | 3.59E-04 | 3.90E-04 | 3.75E-04 | 4.27E-04 | 3.67E-04 | 2.86E-04 | 3.34E-04 | 3.34E-04 | 3.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.14E-04 |
| | T | 3.88E-04 | 4.46E-04 | 3.59E-04 | 3.90E-04 | 3.75E-04 | 4.27E-04 | 3.67E-04 | 2.86E-04 | 3.34E-04 | 3.34E-04 | 1.10E-03 |
| OVARIES | G | 9.23E-05 | 1.50E-03 | 2.96E-04 | 2.20E-03 | 1.94E-03 | 4.18E-03 | 3.53E-04 | 2.23E-04 | 4.68E-05 | 4.68E-05 | 4.96E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.23E-05 | 1.50E-03 | 2.96E-04 | 2.20E-03 | 1.94E-03 | 4.18E-03 | 3.53E-04 | 2.23E-04 | 4.68E-05 | 4.68E-05 | 4.96E-04 |

53-IODINE-135 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI*CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.15E-03 | 7.86E-05 | 4.11E-03 | 4.72E-04 | 5.37E-04 | 1.83E-04 | 1.62E-03 | 1.01E-03 | 5.85E-04 | 5.85E-04 | 4.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.15E-03 | 7.86E-05 | 4.11E-03 | 4.72E-04 | 5.37E-04 | 1.83E-04 | 1.62E-03 | 1.01E-03 | 5.85E-04 | 5.85E-04 | 4.47E-04 |
| SKELETON BONE | G | 3.36E-04 | 1.43E-04 | 1.49E-04 | 1.96E-04 | 1.76E-04 | 2.54E-04 | 2.44E-04 | 1.85E-04 | 2.45E-04 | 2.45E-04 | 2.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.36E-04 | 1.43E-04 | 1.49E-04 | 1.96E-04 | 1.76E-04 | 2.54E-04 | 2.44E-04 | 1.85E-04 | 2.45E-04 | 2.45E-04 | 2.88E-04 |
| R MARROW | G | 5.93E-04 | 2.92E-04 | 2.45E-04 | 5.98E-04 | 5.06E-04 | 7.42E-04 | 6.09E-04 | 2.64E-04 | 3.12E-04 | 3.12E-04 | 3.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.93E-04 | 2.92E-04 | 2.45E-04 | 5.98E-04 | 5.06E-04 | 7.42E-04 | 6.09E-04 | 2.64E-04 | 3.12E-04 | 3.12E-04 | 3.29E-04 |
| Y MARROW | G | 3.29E-04 | 1.32E-04 | 2.09E-04 | 2.68E-04 | 2.48E-04 | 3.13E-04 | 3.01E-04 | 2.74E-04 | 2.54E-04 | 2.54E-04 | 2.69E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.29E-04 | 1.32E-04 | 2.09E-04 | 2.68E-04 | 2.48E-04 | 3.13E-04 | 3.01E-04 | 2.74E-04 | 2.54E-04 | 2.54E-04 | 2.69E-04 |
| T E CL | G | 3.36E-04 | 1.43E-04 | 1.49E-04 | 1.96E-04 | 1.76E-04 | 2.54E-04 | 2.44E-04 | 1.85E-04 | 2.45E-04 | 2.45E-04 | 2.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.36E-04 | 1.43E-04 | 1.49E-04 | 1.96E-04 | 1.76E-04 | 2.54E-04 | 2.44E-04 | 1.85E-04 | 2.45E-04 | 2.45E-04 | 2.88E-04 |
| SKIN | G | 1.92E-04 | 1.82E-04 | 1.64E-04 | 1.55E-04 | 1.50E-04 | 1.71E-04 | 1.76E-04 | 1.66E-04 | 1.82E-04 | 1.82E-04 | 2.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.92E-04 | 1.82E-04 | 1.64E-04 | 1.55E-04 | 1.50E-04 | 1.71E-04 | 1.76E-04 | 1.66E-04 | 1.82E-04 | 1.82E-04 | 2.44E-04 |
| SPLEEN | G | 1.47E-03 | 6.44E-05 | 2.32E-03 | 4.17E-04 | 3.62E-04 | 2.64E-04 | 2.03E-03 | 2.68E-04 | 5.06E-04 | 5.06E-04 | 3.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.47E-03 | 6.44E-05 | 2.32E-03 | 4.17E-04 | 3.62E-04 | 2.64E-04 | 2.03E-03 | 2.68E-04 | 5.06E-04 | 5.06E-04 | 3.73E-04 |
| TESTES | G | 2.55E-05 | 1.16E-03 | 4.51E-05 | 1.51E-04 | 1.30E-04 | 4.18E-04 | 4.71E-05 | 4.96E-05 | 1.08E-05 | 1.08E-05 | 3.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.55E-05 | 1.16E-03 | 4.51E-05 | 1.51E-04 | 1.30E-04 | 4.18E-04 | 4.71E-05 | 4.96E-05 | 1.08E-05 | 1.08E-05 | 3.33E-04 |
| THYMUS | G | 1.70E-04 | 1.36E-05 | 1.86E-04 | 4.40E-05 | 4.73E-05 | 2.13E-05 | 5.86E-05 | 2.03E-04 | 1.07E-03 | 1.07E-03 | 4.76E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.70E-04 | 1.36E-05 | 1.86E-04 | 4.40E-05 | 4.73E-05 | 2.13E-05 | 5.86E-05 | 2.03E-04 | 1.07E-03 | 1.07E-03 | 4.76E-04 |
| THYROID | G | 6.28E-05 | 5.41E-06 | 4.75E-05 | 1.61E-05 | 1.69E-05 | 8.52E-06 | 3.22E-05 | 5.53E-05 | 2.87E-04 | 2.87E-04 | 3.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.28E-05 | 5.41E-06 | 4.75E-05 | 1.61E-05 | 1.69E-05 | 8.52E-06 | 3.22E-05 | 5.53E-05 | 2.87E-04 | 2.87E-04 | 3.46E-04 |
| UTERUS | G | 1.23E-04 | 3.48E-03 | 2.54E-04 | 2.04E-03 | 1.23E-03 | 1.42E-03 | 2.46E-04 | 1.38E-04 | 5.24E-05 | 5.24E-05 | 5.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.23E-04 | 3.48E-03 | 2.54E-04 | 2.04E-03 | 1.23E-03 | 1.42E-03 | 2.46E-04 | 1.38E-04 | 5.24E-05 | 5.24E-05 | 5.63E-04 |
| T BODY | G | 4.24E-04 | 4.66E-04 | 4.45E-04 | 4.87E-04 | 4.78E-04 | 4.75E-04 | 4.28E-04 | 4.26E-04 | 3.61E-04 | 3.61E-04 | 3.67E-04 |
| | B | 2.86E-04 | 3.21E-05 | 8.57E-05 | 2.28E-04 | 1.36E-04 | 1.69E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 |
| | T | 7.09E-04 | 4.98E-04 | 5.31E-04 | 7.16E-04 | 6.14E-04 | 6.45E-04 | 7.14E-04 | 7.12E-04 | 6.47E-04 | 6.47E-04 | 6.53E-04 |

CONTINUED NEXT PAGE

53-IODINE-135 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.44E-04 | 1.82E-03 | 4.75E-04 | 4.75E-04 | 6.03E-04 | 2.51E-04 | 2.25E-04 | 1.69E-03 | 2.55E-05 | 5.93E-05 | 6.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 1.44E-04 | 1.82E-03 | 4.75E-04 | 4.75E-04 | 6.03E-04 | 2.51E-04 | 2.25E-04 | 1.69E-03 | 2.55E-05 | 5.93E-05 | 8.95E-04 |
| BLAD WALL | G | 1.69E-03 | 6.91E-05 | 1.62E-04 | 1.62E-04 | 2.76E-04 | 1.01E-04 | 2.08E-04 | 8.17E-05 | 1.23E-03 | 5.43E-06 | 4.81E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 1.69E-03 | 6.91E-05 | 1.62E-04 | 1.62E-04 | 2.76E-04 | 1.01E-04 | 2.08E-04 | 8.17E-05 | 1.23E-03 | 5.43E-06 | 7.66E-04 |
| GI TRACT S WALL | G | 2.37E-04 | 4.13E-03 | 1.48E-04 | 1.48E-04 | 2.87E-04 | 1.92E-04 | 1.70E-04 | 2.42E-03 | 2.97E-05 | 4.21E-05 | 3.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 2.37E-04 | 4.13E-03 | 1.48E-04 | 1.48E-04 | 2.87E-04 | 1.92E-04 | 1.70E-04 | 2.42E-03 | 2.97E-05 | 4.21E-05 | 6.74E-04 |
| SI+CONT | G | 2.77E-03 | 4.61E-04 | 2.05E-04 | 2.05E-04 | 6.36E-04 | 2.63E-04 | 1.57E-04 | 3.68E-04 | 1.45E-04 | 1.32E-05 | 4.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 2.77E-03 | 4.61E-04 | 2.05E-04 | 2.05E-04 | 6.36E-04 | 2.63E-04 | 1.57E-04 | 3.68E-04 | 1.45E-04 | 1.32E-05 | 7.71E-04 |
| ULI WALL | G | 2.63E-03 | 5.51E-04 | 1.97E-04 | 1.97E-04 | 4.85E-04 | 2.43E-04 | 1.59E-04 | 3.73E-04 | 1.15E-04 | 1.49E-05 | 4.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 2.63E-03 | 5.51E-04 | 1.97E-04 | 1.97E-04 | 4.85E-04 | 2.43E-04 | 1.59E-04 | 3.73E-04 | 1.15E-04 | 1.49E-05 | 7.41E-04 |
| LLI WALL | G | 3.34E-03 | 1.63E-04 | 2.59E-04 | 2.59E-04 | 7.51E-04 | 2.38E-04 | 1.67E-04 | 1.72E-04 | 6.24E-04 | 7.41E-06 | 5.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 3.34E-03 | 1.63E-04 | 2.59E-04 | 2.59E-04 | 7.51E-04 | 2.38E-04 | 1.67E-04 | 1.72E-04 | 6.24E-04 | 7.41E-06 | 7.95E-04 |
| KIDNEYS | G | 2.84E-04 | 1.50E-03 | 2.71E-04 | 2.71E-04 | 6.38E-04 | 2.95E-04 | 1.99E-04 | 2.06E-03 | 4.09E-05 | 3.87E-05 | 4.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 2.84E-04 | 1.50E-03 | 2.71E-04 | 2.71E-04 | 6.38E-04 | 2.95E-04 | 1.99E-04 | 2.06E-03 | 4.09E-05 | 3.87E-05 | 7.14E-04 |
| LIVER | G | 1.76E-04 | 9.97E-04 | 1.92E-04 | 1.92E-04 | 2.67E-04 | 2.87E-04 | 1.80E-04 | 2.80E-04 | 3.08E-05 | 5.77E-05 | 4.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 1.76E-04 | 9.97E-04 | 1.92E-04 | 1.92E-04 | 2.67E-04 | 2.87E-04 | 1.80E-04 | 2.80E-04 | 3.08E-05 | 5.77E-05 | 7.19E-04 |
| LUNGS | G | 4.43E-05 | 5.71E-04 | 2.55E-04 | 2.55E-04 | 3.17E-04 | 2.64E-04 | 1.88E-04 | 5.30E-04 | 1.02E-05 | 2.84E-04 | 3.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 4.43E-05 | 5.71E-04 | 2.55E-04 | 2.55E-04 | 3.17E-04 | 2.64E-04 | 1.88E-04 | 5.30E-04 | 1.02E-05 | 2.84E-04 | 6.32E-04 |
| RESP LYM NODE | G | 4.43E-05 | 5.71E-04 | 2.55E-04 | 2.55E-04 | 3.17E-04 | 2.64E-04 | 1.88E-04 | 5.30E-04 | 1.02E-05 | 2.84E-04 | 3.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 4.43E-05 | 5.71E-04 | 2.55E-04 | 2.55E-04 | 3.17E-04 | 2.64E-04 | 1.88E-04 | 5.30E-04 | 1.02E-05 | 2.84E-04 | 6.32E-04 |
| MUSCLE* | G | 4.96E-04 | 4.47E-04 | 2.88E-04 | 2.88E-04 | 3.35E-04 | 2.64E-04 | 2.44E-04 | 3.73E-04 | 3.33E-04 | 3.46E-04 | 3.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 4.96E-04 | 4.47E-04 | 2.88E-04 | 2.88E-04 | 3.35E-04 | 2.64E-04 | 2.44E-04 | 3.73E-04 | 3.33E-04 | 3.46E-04 | 6.53E-04 |
| OVARIES | G | 1.88E-01 | 2.18E-04 | 2.39E-04 | 2.39E-04 | 8.05E-04 | 2.42E-04 | 1.54E-04 | 1.44E-04 | 2.36E-48 | 8.77E-06 | 4.54E-04 |
| | B | 1.82E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 2.01E 00 | 2.18E-04 | 2.39E-04 | 2.39E-04 | 8.05E-04 | 2.42E-04 | 1.54E-04 | 1.44E-04 | 2.36E-48 | 8.77E-06 | 7.39E-04 |

53-IODINE-135 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.75E-04 | 5.20E-02 | 2.82E-04 | 2.82E-04 | 3.21E-04 | 2.69E-04 | 1.42E-04 | 4.39E-03 | 3.47E-05 | 6.68E-05 | 4.57E-04 |
| | B | 0.0 | 2.00E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 1.75E-04 | 2.52E-01 | 2.82E-04 | 2.82E-04 | 3.21E-04 | 2.69E-04 | 1.42E-04 | 4.39E-03 | 3.47E-05 | 6.68E-05 | 7.43E-04 |
| SKELETON BONE | G | 2.25E-04 | 2.28E-04 | 8.47E-04 | 8.47E-04 | 5.67E-04 | 6.35E-04 | 2.23E-04 | 1.94E-04 | 1.67E-04 | 1.91E-04 | 3.63E-04 |
| | B | 0.0 | 0.0 | 4.00E-03 | 2.44E-03 | 1.04E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 2.25E-04 | 2.28E-04 | 4.85E-03 | 3.28E-03 | 1.61E-03 | 6.35E-04 | 2.23E-04 | 1.94E-04 | 1.67E-04 | 1.91E-04 | 6.49E-04 |
| R MARROW | G | 7.19E-04 | 4.22E-04 | 7.66E-04 | 7.66E-04 | 1.79E-03 | 6.48E-04 | 2.08E-04 | 2.81E-04 | 1.30E-04 | 2.08E-04 | 3.99E-04 |
| | B | 0.0 | 0.0 | 1.60E-04 | 5.20E-03 | 9.43E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 7.19E-04 | 4.22E-04 | 9.25E-04 | 5.97E-03 | 1.12E-02 | 6.48E-04 | 2.08E-04 | 2.81E-04 | 1.30E-04 | 2.08E-04 | 6.84E-04 |
| Y MARROW | G | 2.94E-04 | 2.69E-04 | 7.29E-04 | 7.29E-04 | 6.99E-04 | 1.08E-03 | 2.36E-04 | 2.87E-04 | 7.66E-05 | 1.06E-04 | 3.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.33E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 2.94E-04 | 2.69E-04 | 7.29E-04 | 7.29E-04 | 6.99E-04 | 1.44E-02 | 2.36E-04 | 2.87E-04 | 7.66E-05 | 1.06E-04 | 6.23E-04 |
| T E CL | G | 2.25E-04 | 2.28E-04 | 8.47E-04 | 8.47E-04 | 7.61E-04 | 7.00E-04 | 2.23E-04 | 1.94E-04 | 1.67E-04 | 1.91E-04 | 3.63E-04 |
| | B | 0.0 | 0.0 | 2.56E-03 | 4.27E-03 | 3.81E-03 | 3.33E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 2.25E-04 | 2.28E-04 | 3.40E-03 | 5.12E-03 | 4.57E-03 | 4.03E-03 | 2.23E-04 | 1.94E-04 | 1.67E-04 | 1.91E-04 | 6.49E-04 |
| SKIN | G | 1.44E-04 | 1.46E-04 | 2.28E-04 | 2.28E-04 | 2.02E-04 | 2.47E-04 | 5.29E-04 | 1.66E-04 | 4.09E-04 | 2.40E-04 | 2.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.69E-03 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 1.44E-04 | 1.46E-04 | 2.28E-04 | 2.28E-04 | 2.02E-04 | 2.47E-04 | 8.22E-03 | 1.66E-04 | 4.09E-04 | 2.40E-04 | 5.35E-04 |
| SPLEEN | G | 1.58E-04 | 4.47E-03 | 1.96E-04 | 1.96E-04 | 2.60E-04 | 3.10E-04 | 1.76E-04 | 3.15E-02 | 2.34E-05 | 5.04E-05 | 4.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.11E-01 | 0.0 | 0.0 | 2.86E-04 |
| | T | 1.58E-04 | 4.47E-03 | 1.96E-04 | 1.96E-04 | 2.60E-04 | 3.10E-04 | 1.76E-04 | 1.43E-01 | 2.34E-05 | 5.04E-05 | 6.96E-04 |
| TESTES | G | 2.36E-48 | 3.48E-05 | 2.05E-04 | 2.05E-04 | 8.84E-05 | 2.31E-04 | 2.48E-04 | 3.24E-05 | 8.75E-02 | 2.53E-06 | 4.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.71E-01 | 0.0 | 2.86E-04 |
| | T | 2.36E-48 | 3.48E-05 | 2.05E-04 | 2.05E-04 | 8.84E-05 | 2.31E-04 | 2.48E-04 | 3.24E-05 | 6.59E-01 | 2.53E-06 | 7.07E-04 |
| THYMUS | G | 2.26E-05 | 1.61E-04 | 1.71E-04 | 1.71E-04 | 2.22E-04 | 1.66E-04 | 1.85E-04 | 1.21E-04 | 6.06E-06 | 1.07E-03 | 4.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 2.26E-05 | 1.61E-04 | 1.71E-04 | 1.71E-04 | 2.22E-04 | 1.66E-04 | 1.85E-04 | 1.21E-04 | 6.06E-06 | 1.07E-03 | 7.05E-04 |
| THYROID | G | 8.77E-06 | 3.90E-05 | 1.98E-04 | 1.98E-04 | 2.14E-04 | 1.76E-04 | 1.98E-04 | 4.64E-05 | 2.53E-06 | 1.19E-01 | 3.66E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00E 00 | 2.86E-04 |
| | T | 8.77E-06 | 3.90E-05 | 1.98E-04 | 1.98E-04 | 2.14E-04 | 1.76E-04 | 1.98E-04 | 4.64E-05 | 2.53E-06 | 1.12E 00 | 6.52E-04 |
| UTERUS | G | 4.12E-03 | 1.59E-04 | 1.90E-04 | 1.90E-04 | 4.14E-04 | 1.59E-04 | 1.79E-04 | 1.13E-04 | 2.36E-48 | 8.42E-06 | 5.13E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86E-04 |
| | T | 4.12E-03 | 1.59E-04 | 1.90E-04 | 1.90E-04 | 4.14E-04 | 1.59E-04 | 1.79E-04 | 1.13E-04 | 2.36E-48 | 8.42E-06 | 7.99E-04 |
| T BODY | G | 4.95E-04 | 4.86E-04 | 3.65E-04 | 3.65E-04 | 4.03E-04 | 3.26E-04 | 2.44E-04 | 4.25E-04 | 3.67E-04 | 3.31E-04 | 3.65E-04 |
| | B | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 | 2.86E-04 |
| | T | 7.81E-04 | 7.71E-04 | 6.51E-04 | 6.51E-04 | 6.88E-04 | 6.11E-04 | 5.30E-04 | 7.10E-04 | 6.52E-04 | 6.17E-04 | 6.50E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-MACIAS, E. S. ET AL., NUCL. PHYS. A147, 513 (1970)
DATE DECAY DATA REVIEWED-OCTOBER 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 55-CESIUM-129 (TR=3.206E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.14E-02 | 1.30E-05 | 1.38E-04 | 8.20E-05 | 6.02E-05 | 2.88E-05 | 8.50E-04 | 3.41E-04 | 1.58E-04 | 1.58E-04 | 1.08E-04 |
| | B | 8.09E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.22E-01 | 1.30E-05 | 1.38E-04 | 8.20E-05 | 6.02E-05 | 2.88E-05 | 8.50E-04 | 3.41E-04 | 1.58E-04 | 1.58E-04 | 1.08E-04 |
| BLAD WALL | G | 6.84E-06 | 6.08E-03 | 2.23E-05 | 1.94E-04 | 1.25E-04 | 4.02E-04 | 2.14E-05 | 1.64E-05 | 3.92E-06 | 3.92E-06 | 1.23E-04 |
| | B | 0.0 | 2.83E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.84E-06 | 8.91E-03 | 2.23E-05 | 1.94E-04 | 1.25E-04 | 4.02E-04 | 2.14E-05 | 1.64E-05 | 3.92E-06 | 3.92E-06 | 1.23E-04 |
| GI TRACT S WALL | G | 1.85E-04 | 1.86E-05 | 4.28E-03 | 2.33E-04 | 2.56E-04 | 1.16E-04 | 2.14E-04 | 1.21E-04 | 1.24E-04 | 1.24E-04 | 9.68E-05 |
| | B | 0.0 | 0.0 | 2.27E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.85E-04 | 1.86E-05 | 6.55E-03 | 2.33E-04 | 2.56E-04 | 1.16E-04 | 2.14E-04 | 1.21E-04 | 1.24E-04 | 1.24E-04 | 9.68E-05 |
| SI+CONT | G | 5.54E-05 | 1.70E-04 | 1.68E-04 | 2.50E-03 | 1.24E-03 | 6.77E-04 | 1.77E-04 | 1.01E-04 | 1.50E-05 | 1.50E-05 | 1.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.42E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.54E-05 | 1.70E-04 | 1.68E-04 | 3.92E-03 | 1.24E-03 | 6.77E-04 | 1.77E-04 | 1.01E-04 | 1.50E-05 | 1.50E-05 | 1.05E-04 |
| ULI WALL | G | 6.04E-05 | 1.45E-04 | 2.29E-04 | 1.86E-03 | 3.51E-03 | 3.05E-04 | 1.82E-04 | 1.65E-04 | 1.99E-05 | 1.99E-05 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.57E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.04E-05 | 1.45E-04 | 2.29E-04 | 1.86E-03 | 6.09E-03 | 3.05E-04 | 1.82E-04 | 1.65E-04 | 1.99E-05 | 1.99E-05 | 1.11E-04 |
| LLI WALL | G | 1.84E-05 | 4.82E-04 | 7.94E-05 | 5.21E-04 | 2.10E-04 | 4.28E-03 | 5.28E-05 | 1.75E-05 | 5.40E-06 | 5.40E-06 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.20E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.84E-05 | 4.82E-04 | 7.94E-05 | 5.21E-04 | 2.10E-04 | 8.47E-03 | 5.28E-05 | 1.75E-05 | 5.40E-06 | 5.40E-06 | 1.15E-04 |
| KIDNEYS | G | 8.49E-04 | 2.07E-05 | 2.15E-04 | 1.98E-04 | 1.73E-04 | 5.38E-05 | 6.22E-03 | 2.53E-04 | 6.08E-05 | 6.08E-05 | 9.99E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.65E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.49E-04 | 2.07E-05 | 2.15E-04 | 1.98E-04 | 1.73E-04 | 5.38E-05 | 9.87E-03 | 2.53E-04 | 6.08E-05 | 6.08E-05 | 9.99E-05 |
| LIVER | G | 3.38E-04 | 1.54E-05 | 1.27E-04 | 1.17E-04 | 1.62E-04 | 1.94E-05 | 2.61E-04 | 2.06E-03 | 1.68E-04 | 1.68E-04 | 7.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.29E-04 | 0.0 | 0.0 | 0.0 |
| | T | 3.38E-04 | 1.54E-05 | 1.27E-04 | 1.17E-04 | 1.62E-04 | 1.94E-05 | 2.61E-04 | 2.69E-03 | 1.68E-04 | 1.68E-04 | 7.53E-05 |
| LUNGS | G | 1.60E-04 | 2.43E-06 | 1.21E-04 | 1.83E-05 | 1.90E-05 | 5.81E-06 | 5.63E-05 | 1.73E-04 | 1.31E-03 | 1.31E-03 | 9.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13E-03 | 1.13E-03 | 0.0 |
| | T | 1.60E-04 | 2.43E-06 | 1.21E-04 | 1.83E-05 | 1.90E-05 | 5.81E-06 | 5.63E-05 | 1.73E-04 | 2.44E-03 | 2.44E-03 | 9.66E-05 |
| RESP LYM NODE | G | 1.60E-04 | 2.43E-06 | 1.21E-04 | 1.83E-05 | 1.90E-05 | 5.81E-06 | 5.63E-05 | 1.73E-04 | 1.28E-03 | 1.31E-03 | 9.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.01E-04 | 7.55E-02 | 0.0 |
| | T | 1.60E-04 | 2.43E-06 | 1.21E-04 | 1.83E-05 | 1.90E-05 | 5.81E-06 | 5.63E-05 | 1.73E-04 | 1.99E-03 | 7.68E-02 | 9.66E-05 |
| MUSCLE* | G | 1.08E-04 | 1.23E-04 | 9.68E-05 | 1.05E-04 | 1.00E-04 | 1.15E-04 | 9.99E-05 | 7.53E-05 | 9.66E-05 | 9.66E-05 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.05E-05 |
| | T | 1.08E-04 | 1.23E-04 | 9.68E-05 | 1.05E-04 | 1.00E-04 | 1.15E-04 | 9.99E-05 | 7.53E-05 | 9.66E-05 | 9.66E-05 | 1.50E-04 |
| OVARIES | G | 3.34E-05 | 4.50E-04 | 2.99E-05 | 6.71E-04 | 8.55E-04 | 1.34E-03 | 7.18E-05 | 1.90E-05 | 8.49E-06 | 8.49E-06 | 1.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.34E-05 | 4.50E-04 | 2.99E-05 | 6.71E-04 | 8.55E-04 | 1.34E-03 | 7.18E-05 | 1.90E-05 | 8.49E-06 | 8.49E-06 | 1.40E-04 |

55-CESIUM-129 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 5.70E-04 | 1.65E-05 | 1.29E-03 | 1.27E-04 | 1.25E-04 | 4.44E-05 | 4.29E-04 | 2.93E-04 | 1.75E-04 | 1.75E-04 | 1.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.70E-04 | 1.65E-05 | 1.29E-03 | 1.27E-04 | 1.25E-04 | 4.44E-05 | 4.29E-04 | 2.93E-04 | 1.75E-04 | 1.75E-04 | 1.28E-04 |
| SKELETON BONE | G | 1.12E-04 | 4.09E-05 | 4.42E-05 | 6.07E-05 | 5.56E-05 | 9.03E-05 | 7.56E-05 | 5.76E-05 | 8.15E-05 | 8.15E-05 | 7.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-04 | 4.09E-05 | 4.42E-05 | 6.07E-05 | 5.56E-05 | 9.03E-05 | 7.56E-05 | 5.76E-05 | 8.15E-05 | 8.15E-05 | 7.00E-05 |
| R MARROW | G | 1.96E-04 | 9.20E-05 | 7.46E-05 | 2.03E-04 | 1.77E-04 | 2.95E-04 | 1.95E-04 | 7.94E-05 | 1.01E-04 | 1.01E-04 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.96E-04 | 9.20E-05 | 7.46E-05 | 2.03E-04 | 1.77E-04 | 2.95E-04 | 1.95E-04 | 7.94E-05 | 1.01E-04 | 1.01E-04 | 1.15E-04 |
| Y MARROW | G | 1.07E-04 | 3.80E-05 | 6.17E-05 | 8.45E-05 | 7.91E-05 | 1.14E-04 | 9.31E-05 | 8.61E-05 | 8.74E-05 | 8.74E-05 | 9.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.07E-04 | 3.80E-05 | 6.17E-05 | 8.45E-05 | 7.91E-05 | 1.14E-04 | 9.31E-05 | 8.61E-05 | 8.74E-05 | 8.74E-05 | 9.19E-05 |
| T E CL | G | 1.12E-04 | 4.09E-05 | 4.42E-05 | 6.07E-05 | 5.56E-05 | 9.03E-05 | 7.56E-05 | 5.76E-05 | 8.15E-05 | 8.15E-05 | 7.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-04 | 4.09E-05 | 4.42E-05 | 6.07E-05 | 5.56E-05 | 9.03E-05 | 7.56E-05 | 5.76E-05 | 8.15E-05 | 8.15E-05 | 7.00E-05 |
| SKIN | G | 4.22E-05 | 3.99E-05 | 3.53E-05 | 3.14E-05 | 3.26E-05 | 3.58E-05 | 4.21E-05 | 3.72E-05 | 4.19E-05 | 4.19E-05 | 6.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.22E-05 | 3.99E-05 | 3.53E-05 | 3.14E-05 | 3.26E-05 | 3.58E-05 | 4.21E-05 | 3.72E-05 | 4.19E-05 | 4.19E-05 | 6.09E-05 |
| SPLEEN | G | 4.44E-04 | 1.20E-05 | 6.67E-04 | 9.77E-05 | 7.98E-05 | 5.36E-05 | 6.20E-04 | 5.97E-05 | 1.52E-04 | 1.52E-04 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.44E-04 | 1.20E-05 | 6.67E-04 | 9.77E-05 | 7.98E-05 | 5.36E-05 | 6.20E-04 | 5.97E-05 | 1.52E-04 | 1.52E-04 | 1.04E-04 |
| TESTES | G | 3.71E-06 | 3.17E-04 | 2.51E-06 | 2.16E-05 | 2.66E-05 | 1.29E-04 | 8.25E-06 | 6.32E-06 | 1.22E-06 | 1.22E-06 | 8.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.71E-06 | 3.17E-04 | 2.51E-06 | 2.16E-05 | 2.66E-05 | 1.29E-04 | 8.25E-06 | 6.32E-06 | 1.22E-06 | 1.22E-06 | 8.21E-05 |
| THYMUS | G | 4.42E-05 | 1.60E-06 | 1.50E-05 | 7.64E-06 | 8.42E-06 | 3.06E-06 | 1.93E-05 | 6.43E-05 | 2.57E-04 | 2.57E-04 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.42E-05 | 1.60E-06 | 1.50E-05 | 7.64E-06 | 8.42E-06 | 3.06E-06 | 1.93E-05 | 6.43E-05 | 2.57E-04 | 2.57E-04 | 1.49E-04 |
| THYROID | G | 1.10E-05 | 4.49E-07 | 8.40E-06 | 2.03E-06 | 2.19E-06 | 8.91E-07 | 5.07E-06 | 1.19E-05 | 6.54E-05 | 6.54E-05 | 1.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.10E-05 | 4.49E-07 | 8.40E-06 | 2.03E-06 | 2.19E-06 | 8.91E-07 | 5.07E-06 | 1.19E-05 | 6.54E-05 | 6.54E-05 | 1.01E-04 |
| UTERUS | G | 6.54E-05 | 1.09E-03 | 5.21E-05 | 6.26E-04 | 2.97E-04 | 4.03E-04 | 5.56E-05 | 2.52E-05 | 5.78E-06 | 5.78E-06 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.54E-05 | 1.09E-03 | 5.21E-05 | 6.26E-04 | 2.97E-04 | 4.03E-04 | 5.56E-05 | 2.52E-05 | 5.78E-06 | 5.78E-06 | 1.48E-04 |
| T BODY | G | 1.22E-04 | 1.35E-04 | 1.29E-04 | 1.42E-04 | 1.38E-04 | 1.38E-04 | 1.22E-04 | 1.24E-04 | 1.09E-04 | 1.09E-04 | 1.02E-04 |
| | B | 1.62E-05 | 1.82E-06 | 4.86E-06 | 1.29E-05 | 7.72E-06 | 9.59E-06 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 |
| | T | 1.39E-04 | 1.36E-04 | 1.34E-04 | 1.55E-04 | 1.46E-04 | 1.47E-04 | 1.39E-04 | 1.40E-04 | 1.25E-04 | 1.25E-04 | 1.18E-04 |

CONTINUED NEXT PAGE

55-CESIUM-129 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 3.12E-05 | 5.69E-04 | 9.74E-05 | 9.74E-05 | 1.38E-04 | 7.79E-05 | 4.74E-05 | 4.28E-04 | 3.71E-06 | 1.10E-05 | 1.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 3.12E-05 | 5.69E-04 | 9.74E-05 | 9.74E-05 | 1.38E-04 | 7.79E-05 | 4.74E-05 | 4.28E-04 | 3.71E-06 | 1.10E-05 | 1.61E-04 |
| BLAD WALL | G | 4.48E-04 | 1.08E-05 | 3.56E-05 | 3.56E-05 | 4.56E-05 | 1.91E-05 | 3.88E-05 | 9.03E-06 | 3.27E-04 | 4.53E-07 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 4.48E-04 | 1.08E-05 | 3.56E-05 | 3.56E-05 | 4.56E-05 | 1.91E-05 | 3.88E-05 | 9.03E-06 | 3.27E-04 | 4.53E-07 | 1.43E-04 |
| GI TRACT S WALL | G | 4.98E-05 | 1.32E-03 | 3.66E-05 | 3.66E-05 | 6.40E-05 | 4.74E-05 | 4.01E-05 | 6.70E-04 | 5.46E-06 | 5.79E-06 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 4.98E-05 | 1.32E-03 | 3.66E-05 | 3.66E-05 | 6.40E-05 | 4.74E-05 | 4.01E-05 | 6.70E-04 | 5.46E-06 | 5.79E-06 | 1.45E-04 |
| SI+CONT | G | 8.68E-04 | 1.10E-04 | 5.00E-05 | 5.00E-05 | 1.69E-04 | 6.75E-05 | 3.30E-05 | 8.59E-05 | 2.95E-05 | 6.58E-07 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 8.68E-04 | 1.10E-04 | 5.00E-05 | 5.00E-05 | 1.69E-04 | 6.75E-05 | 3.30E-05 | 8.59E-05 | 2.95E-05 | 6.58E-07 | 1.58E-04 |
| ULI WALL | G | 8.44E-04 | 1.35E-04 | 4.52E-05 | 4.52E-05 | 1.34E-04 | 5.68E-05 | 3.43E-05 | 8.33E-05 | 2.03E-05 | 6.84E-07 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 8.44E-04 | 1.35E-04 | 4.52E-05 | 4.52E-05 | 1.34E-04 | 5.68E-05 | 3.43E-05 | 8.33E-05 | 2.03E-05 | 6.84E-07 | 1.53E-04 |
| LLI WALL | G | 1.10E-03 | 3.33E-05 | 6.51E-05 | 6.51E-05 | 2.02E-04 | 5.70E-05 | 3.53E-05 | 4.10E-05 | 1.80E-04 | 7.40E-07 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 1.10E-03 | 3.33E-05 | 6.51E-05 | 6.51E-05 | 2.02E-04 | 5.70E-05 | 3.53E-05 | 4.10E-05 | 1.80E-04 | 7.40E-07 | 1.50E-04 |
| KIDNEYS | G | 6.50E-05 | 4.16E-04 | 5.78E-05 | 5.78E-05 | 1.47E-04 | 7.43E-05 | 4.74E-05 | 6.29E-04 | 5.15E-06 | 2.79E-06 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 6.50E-05 | 4.16E-04 | 5.78E-05 | 5.78E-05 | 1.47E-04 | 7.43E-05 | 4.74E-05 | 6.29E-04 | 5.15E-06 | 2.79E-06 | 1.39E-04 |
| LIVER | G | 3.64E-05 | 2.79E-04 | 4.42E-05 | 4.42E-05 | 6.26E-05 | 6.82E-05 | 4.11E-05 | 6.39E-05 | 2.90E-06 | 8.66E-06 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 3.64E-05 | 2.79E-04 | 4.42E-05 | 4.42E-05 | 6.26E-05 | 6.82E-05 | 4.11E-05 | 6.39E-05 | 2.90E-06 | 8.66E-06 | 1.40E-04 |
| LUNGS | G | 5.87E-06 | 1.60E-04 | 6.41E-05 | 6.41E-05 | 7.83E-05 | 6.64E-05 | 4.40E-05 | 1.53E-04 | 8.23E-07 | 6.32E-05 | 1.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 5.87E-06 | 1.60E-04 | 6.41E-05 | 6.41E-05 | 7.83E-05 | 6.64E-05 | 4.40E-05 | 1.53E-04 | 8.23E-07 | 6.32E-05 | 1.28E-04 |
| RESP LYM NODE | G | 5.87E-06 | 1.60E-04 | 6.41E-05 | 6.41E-05 | 7.83E-05 | 6.64E-05 | 4.40E-05 | 1.53E-04 | 8.23E-07 | 6.32E-05 | 1.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 5.87E-06 | 1.60E-04 | 6.41E-05 | 6.41E-05 | 7.83E-05 | 6.64E-05 | 4.40E-05 | 1.53E-04 | 8.23E-07 | 6.32E-05 | 1.28E-04 |
| MUSCLE* | G | 1.40E-04 | 1.28E-04 | 7.00E-05 | 7.00E-05 | 8.35E-05 | 6.53E-05 | 6.09E-05 | 1.04E-04 | 8.21E-05 | 1.01E-04 | 1.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 1.40E-04 | 1.28E-04 | 7.00E-05 | 7.00E-05 | 8.35E-05 | 6.53E-05 | 6.09E-05 | 1.04E-04 | 8.21E-05 | 1.01E-04 | 1.18E-04 |
| OVARIES | G | 6.93E-02 | 2.21E-05 | 6.27E-05 | 6.27E-05 | 1.95E-04 | 6.52E-05 | 2.37E-05 | 5.25E-05 | 6.07E-46 | 8.76E-07 | 1.26E-04 |
| | B | 1.03E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 1.72E-01 | 2.21E-05 | 6.27E-05 | 6.27E-05 | 1.95E-04 | 6.52E-05 | 2.37E-05 | 5.25E-05 | 6.07E-46 | 8.76E-07 | 1.42E-04 |

55-CESIUM-129 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.22E-05 | 1.86E-02 | 6.03E-05 | 6.03E-05 | 1.03E-04 | 8.08E-05 | 3.61E-05 | 1.47E-03 | 3.14E-06 | 4.93E-06 | 1.35E-04 |
| | B | 0.0 | 1.13E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 3.22E-05 | 2.99E-02 | 6.03E-05 | 6.03E-05 | 1.03E-04 | 8.08E-05 | 3.61E-05 | 1.47E-03 | 3.14E-06 | 4.93E-06 | 1.51E-04 |
| SKELETON BONE | G | 7.47E-05 | 6.84E-05 | 3.37E-04 | 3.37E-04 | 2.20E-04 | 2.56E-04 | 6.63E-05 | 5.94E-05 | 4.39E-05 | 5.23E-05 | 1.28E-04 |
| | B | 0.0 | 0.0 | 2.27E-04 | 1.97E-04 | 1.98E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 7.47E-05 | 6.84E-05 | 5.63E-04 | 5.34E-04 | 2.40E-04 | 2.56E-04 | 6.63E-05 | 5.94E-05 | 4.39E-05 | 5.23E-05 | 1.45E-04 |
| R MARROW | G | 2.64E-04 | 1.29E-04 | 3.05E-04 | 3.05E-04 | 7.73E-04 | 2.61E-04 | 6.17E-05 | 8.46E-05 | 3.48E-05 | 5.67E-05 | 1.44E-04 |
| | B | 0.0 | 0.0 | 2.17E-06 | 9.89E-05 | 6.84E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 2.64E-04 | 1.29E-04 | 3.07E-04 | 4.04E-04 | 1.46E-03 | 2.61E-04 | 6.17E-05 | 8.46E-05 | 3.48E-05 | 5.67E-05 | 1.60E-04 |
| Y MARROW | G | 1.01E-04 | 7.91E-05 | 3.00E-04 | 3.00E-04 | 2.85E-04 | 4.71E-04 | 7.26E-05 | 8.92E-05 | 1.78E-05 | 2.74E-05 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.55E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 1.01E-04 | 7.91E-05 | 3.00E-04 | 3.00E-04 | 2.85E-04 | 1.23E-03 | 7.26E-05 | 8.92E-05 | 1.78E-05 | 2.74E-05 | 1.39E-04 |
| T E CL | G | 7.47E-05 | 6.84E-05 | 3.35E-04 | 3.35E-04 | 3.14E-04 | 2.93E-04 | 6.63E-05 | 5.94E-05 | 4.39E-05 | 5.23E-05 | 1.29E-04 |
| | B | 0.0 | 0.0 | 6.81E-05 | 1.27E-04 | 2.93E-04 | 1.89E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 7.47E-05 | 6.84E-05 | 4.03E-04 | 4.62E-04 | 6.07E-04 | 4.82E-04 | 6.63E-05 | 5.94E-05 | 4.39E-05 | 5.23E-05 | 1.45E-04 |
| SKIN | G | 3.07E-05 | 2.97E-05 | 5.29E-05 | 5.29E-05 | 4.66E-05 | 5.99E-05 | 1.66E-04 | 3.77E-05 | 1.16E-04 | 5.95E-05 | 6.13E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.36E-04 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 3.07E-05 | 2.97E-05 | 5.29E-05 | 5.29E-05 | 4.66E-05 | 5.99E-05 | 6.01E-04 | 3.77E-05 | 1.16E-04 | 5.95E-05 | 7.74E-05 |
| SPLEEN | G | 3.84E-05 | 1.45E-03 | 4.95E-05 | 4.95E-05 | 5.34E-05 | 6.44E-05 | 4.04E-05 | 1.11E-02 | 5.38E-06 | 7.56E-06 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.29E-03 | 0.0 | 0.0 | 1.62E-05 |
| | T | 3.84E-05 | 1.45E-03 | 4.95E-05 | 4.95E-05 | 5.34E-05 | 6.44E-05 | 4.04E-05 | 1.74E-02 | 5.38E-06 | 7.56E-06 | 1.45E-04 |
| TESTES | G | 6.07E-46 | 4.09E-06 | 3.68E-05 | 3.68E-05 | 2.36E-05 | 6.24E-05 | 7.13E-05 | 5.11E-06 | 3.14E-02 | 1.54E-07 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-02 | 0.0 | 1.62E-05 |
| | T | 6.07E-46 | 4.09E-06 | 3.68E-05 | 3.68E-05 | 2.36E-05 | 6.24E-05 | 7.13E-05 | 5.11E-06 | 6.37E-02 | 1.54E-07 | 1.27E-04 |
| THYMUS | G | 3.18E-06 | 3.86E-05 | 4.05E-05 | 4.05E-05 | 3.59E-05 | 3.46E-05 | 5.05E-05 | 2.65E-05 | 5.27E-07 | 2.79E-04 | 1.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 3.18E-06 | 3.86E-05 | 4.05E-05 | 4.05E-05 | 3.59E-05 | 3.46E-05 | 5.05E-05 | 2.65E-05 | 5.27E-07 | 2.79E-04 | 1.45E-04 |
| THYROID | G | 8.77E-07 | 1.02E-05 | 6.50E-05 | 6.50E-05 | 5.18E-05 | 4.71E-05 | 5.73E-05 | 8.13E-06 | 1.54E-07 | 4.30E-02 | 9.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.66E-02 | 1.62E-05 |
| | T | 8.77E-07 | 1.02E-05 | 6.50E-05 | 6.50E-05 | 5.18E-05 | 4.71E-05 | 5.73E-05 | 8.13E-06 | 1.54E-07 | 9.97E-02 | 1.13E-04 |
| UTERUS | G | 1.39E-03 | 3.79E-05 | 3.78E-05 | 3.78E-05 | 1.28E-04 | 4.10E-05 | 3.14E-05 | 2.65E-05 | 6.07E-46 | 8.28E-07 | 1.35E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62E-05 |
| | T | 1.39E-03 | 3.79E-05 | 3.78E-05 | 3.78E-05 | 1.28E-04 | 4.10E-05 | 3.14E-05 | 2.65E-05 | 6.07E-46 | 8.28E-07 | 1.51E-04 |
| T BODY | G | 1.44E-04 | 1.42E-04 | 1.08E-04 | 1.08E-04 | 1.18E-04 | 9.74E-05 | 6.34E-05 | 1.24E-04 | 1.02E-04 | 9.63E-05 | 1.06E-04 |
| | B | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 |
| | T | 1.61E-04 | 1.58E-04 | 1.24E-04 | 1.24E-04 | 1.34E-04 | 1.14E-04 | 7.95E-05 | 1.40E-04 | 1.18E-04 | 1.12E-04 | 1.22E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-REZANKA, I. ET AL., NUCL. PHYS. 89, 609 (1966)
DATE DECAY DATA REVIEWED-APRIL 1971

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 55-CESIUM-131 (TR=9.700E 00 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 9.86E-03 | 6.96E-09 | 4.26E-06 | 5.93E-07 | 1.46E-06 | 8.04E-08 | 1.07E-04 | 3.04E-05 | 8.34E-06 | 8.34E-06 | 1.24E-05 |
| | B | 2.50E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.49E-02 | 6.96E-09 | 4.26E-06 | 5.93E-07 | 1.46E-06 | 8.04E-08 | 1.07E-04 | 3.04E-05 | 8.34E-06 | 8.34E-06 | 1.24E-05 |
| BLAD WALL | G | 7.33E-09 | 1.14E-03 | 5.40E-08 | 6.80E-06 | 4.52E-06 | 3.09E-05 | 4.32E-08 | 2.34E-08 | 2.59E-09 | 2.59E-09 | 1.11E-05 |
| | B | 0.0 | 8.76E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.33E-09 | 2.01E-03 | 5.40E-08 | 6.80E-06 | 4.52E-06 | 3.09E-05 | 4.32E-08 | 2.34E-08 | 2.59E-09 | 2.59E-09 | 1.11E-05 |
| GI TRACT S WALL | G | 6.44E-06 | 5.55E-08 | 7.89E-04 | 1.64E-05 | 2.53E-05 | 5.83E-06 | 9.36E-06 | 4.83E-06 | 9.23E-06 | 9.23E-06 | 8.72E-06 |
| | B | 0.0 | 0.0 | 7.01E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.44E-06 | 5.55E-08 | 1.49E-03 | 1.64E-05 | 2.53E-05 | 5.83E-06 | 9.36E-06 | 4.83E-06 | 9.23E-06 | 9.23E-06 | 8.72E-06 |
| SI+CONT | G | 4.82E-07 | 6.08E-06 | 7.85E-06 | 4.34E-04 | 1.71E-04 | 8.88E-05 | 7.59E-06 | 3.50E-06 | 6.64E-08 | 6.64E-08 | 8.38E-06 |
| | B | 0.0 | 0.0 | 0.0 | 4.38E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.82E-07 | 6.08E-06 | 7.85E-06 | 8.73E-04 | 1.71E-04 | 8.88E-05 | 7.59E-06 | 3.50E-06 | 6.64E-08 | 6.64E-08 | 8.38E-06 |
| ULI WALL | G | 6.02E-07 | 3.67E-06 | 1.86E-05 | 3.20E-04 | 6.45E-04 | 3.52E-05 | 7.29E-06 | 9.84E-06 | 1.06E-07 | 1.06E-07 | 9.47E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.97E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.02E-07 | 3.67E-06 | 1.86E-05 | 3.20E-04 | 1.44E-03 | 3.52E-05 | 7.29E-06 | 9.84E-06 | 1.06E-07 | 1.06E-07 | 9.47E-06 |
| LLI WALL | G | 5.72E-08 | 4.00E-05 | 2.20E-06 | 7.28E-05 | 2.07E-05 | 8.14E-04 | 7.98E-07 | 4.34E-08 | 1.15E-08 | 1.15E-08 | 9.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.30E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.72E-08 | 4.00E-05 | 2.20E-06 | 7.28E-05 | 2.07E-05 | 2.11E-03 | 7.98E-07 | 4.34E-08 | 1.15E-08 | 1.15E-08 | 9.06E-06 |
| KIDNEYS | G | 1.06E-04 | 4.45E-08 | 9.60E-06 | 8.08E-06 | 6.80E-06 | 1.08E-06 | 1.28E-03 | 1.80E-05 | 1.48E-06 | 1.48E-06 | 1.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-04 | 4.45E-08 | 9.60E-06 | 8.08E-06 | 6.80E-06 | 1.08E-06 | 2.41E-03 | 1.80E-05 | 1.48E-06 | 1.48E-06 | 1.01E-05 |
| LIVER | G | 3.01E-05 | 3.42E-08 | 4.70E-06 | 5.35E-06 | 8.63E-06 | 5.54E-08 | 1.77E-05 | 3.56E-04 | 1.60E-05 | 1.60E-05 | 6.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.95E-04 | 0.0 | 0.0 | 0.0 |
| | T | 3.01E-05 | 3.42E-08 | 4.70E-06 | 5.35E-06 | 8.63E-06 | 5.54E-08 | 1.77E-05 | 5.50E-04 | 1.60E-05 | 1.60E-05 | 6.32E-06 |
| LUNGS | G | 1.17E-05 | 6.59E-10 | 9.06E-06 | 8.86E-08 | 1.05E-07 | 8.23E-09 | 1.43E-06 | 1.87E-05 | 2.92E-04 | 2.92E-04 | 1.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.50E-04 | 3.50E-04 | 0.0 |
| | T | 1.17E-05 | 6.59E-10 | 9.06E-06 | 8.86E-08 | 1.05E-07 | 8.23E-09 | 1.43E-06 | 1.87E-05 | 6.42E-04 | 6.42E-04 | 1.15E-05 |
| RESP LYM NODE | G | 1.17E-05 | 6.59E-10 | 9.06E-06 | 8.86E-08 | 1.05E-07 | 8.23E-09 | 1.43E-06 | 1.87E-05 | 2.77E-04 | 2.92E-04 | 1.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.35E-04 | 2.34E-02 | 0.0 |
| | T | 1.17E-05 | 6.59E-10 | 9.06E-06 | 8.86E-08 | 1.05E-07 | 8.23E-09 | 1.43E-06 | 1.87E-05 | 4.12E-04 | 2.37E-02 | 1.15E-05 |
| MUSCLE* | G | 1.24E-05 | 1.11E-05 | 8.72E-06 | 8.38E-06 | 7.95E-06 | 9.06E-06 | 1.01E-05 | 6.32E-06 | 1.15E-05 | 1.15E-05 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-05 |
| | T | 1.24E-05 | 1.11E-05 | 8.72E-06 | 8.38E-06 | 7.95E-06 | 9.06E-06 | 1.01E-05 | 6.32E-06 | 1.15E-05 | 1.15E-05 | 2.62E-05 |
| OVARIES | G | 5.47E-08 | 3.17E-05 | 4.16E-07 | 7.21E-05 | 8.46E-05 | 2.01E-04 | 6.83E-07 | 2.43E-07 | 1.35E-08 | 1.35E-08 | 1.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.47E-08 | 3.17E-05 | 4.16E-07 | 7.21E-05 | 8.46E-05 | 2.01E-04 | 6.83E-07 | 2.43E-07 | 1.35E-08 | 1.35E-08 | 1.42E-05 |

55-CESIUM-131 CONTINUED

S O U R C E  O R G A N S

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 4.39E-05 | 1.99E-08 | 1.58E-04 | 3.00E-06 | 3.29E-06 | 6.90E-07 | 2.79E-05 | 1.91E-05 | 1.03E-05 | 1.03E-05 | 1.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.39E-05 | 1.99E-08 | 1.58E-04 | 3.00E-06 | 3.29E-06 | 6.90E-07 | 2.79E-05 | 1.91E-05 | 1.03E-05 | 1.03E-05 | 1.39E-05 |
| SKELETON BONE | G | 1.64E-05 | 1.45E-06 | 3.56E-06 | 6.08E-06 | 5.64E-06 | 1.49E-05 | 8.68E-06 | 6.69E-06 | 1.19E-05 | 1.19E-05 | 3.53E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.64E-05 | 1.45E-06 | 3.56E-06 | 6.08E-06 | 5.64E-06 | 1.49E-05 | 8.68E-06 | 6.69E-06 | 1.19E-05 | 1.19E-05 | 3.53E-06 |
| R MARROW | G | 2.58E-05 | 4.75E-06 | 4.35E-06 | 2.41E-05 | 2.23E-05 | 5.95E-05 | 2.32E-05 | 6.63E-06 | 1.38E-05 | 1.38E-05 | 1.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.58E-05 | 4.75E-06 | 4.35E-06 | 2.41E-05 | 2.23E-05 | 5.95E-05 | 2.32E-05 | 6.63E-06 | 1.38E-05 | 1.38E-05 | 1.81E-05 |
| Y MARROW | G | 1.51E-05 | 1.64E-06 | 5.10E-06 | 8.51E-06 | 8.10E-06 | 2.03E-05 | 1.04E-05 | 1.07E-05 | 1.38E-05 | 1.38E-05 | 1.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.51E-05 | 1.64E-06 | 5.10E-06 | 8.51E-06 | 8.10E-06 | 2.03E-05 | 1.04E-05 | 1.07E-05 | 1.38E-05 | 1.38E-05 | 1.47E-05 |
| T E CL | G | 1.64E-05 | 1.45E-06 | 3.56E-06 | 6.08E-06 | 5.64E-06 | 1.49E-05 | 8.68E-06 | 6.69E-06 | 1.19E-05 | 1.19E-05 | 3.53E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.64E-05 | 1.45E-06 | 3.56E-06 | 6.08E-06 | 5.64E-06 | 1.49E-05 | 8.68E-06 | 6.69E-06 | 1.19E-05 | 1.19E-05 | 3.53E-06 |
| SKIN | G | 2.40E-06 | 1.95E-06 | 1.75E-06 | 9.00E-07 | 1.12E-06 | 1.33E-06 | 2.84E-06 | 1.88E-06 | 2.22E-06 | 2.22E-06 | 6.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.40E-06 | 1.95E-06 | 1.75E-06 | 9.00E-07 | 1.12E-06 | 1.33E-06 | 2.84E-06 | 1.88E-06 | 2.22E-06 | 2.22E-06 | 6.25E-06 |
| SPLEEN | G | 3.66E-05 | 1.38E-08 | 5.91E-05 | 3.12E-06 | 1.97E-06 | 7.60E-07 | 7.59E-05 | 1.00E-06 | 1.44E-05 | 1.44E-05 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.66E-05 | 1.38E-08 | 5.91E-05 | 3.12E-06 | 1.97E-06 | 7.60E-07 | 7.59E-05 | 1.00E-06 | 1.44E-05 | 1.44E-05 | 1.08E-05 |
| TESTES | G | 4.99E-10 | 1.79E-05 | 2.98E-09 | 7.34E-08 | 7.44E-08 | 5.16E-06 | 2.78E-09 | 1.80E-09 | 2.27E-10 | 2.27E-10 | 6.50E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.99E-10 | 1.79E-05 | 2.98E-09 | 7.34E-08 | 7.44E-08 | 5.16E-06 | 2.78E-09 | 1.80E-09 | 2.27E-10 | 2.27E-10 | 6.50E-06 |
| THYMUS | G | 1.17E-07 | 9.30E-11 | 1.06E-07 | 2.53E-09 | 3.13E-09 | 5.01E-10 | 2.21E-08 | 2.03E-07 | 2.03E-05 | 2.03E-05 | 1.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.17E-07 | 9.30E-11 | 1.06E-07 | 2.53E-09 | 3.13E-09 | 5.01E-10 | 2.21E-08 | 2.03E-07 | 2.03E-05 | 2.03E-05 | 1.57E-05 |
| THYROID | G | 4.86E-09 | 6.87E-12 | 3.18E-09 | 1.59E-10 | 1.90E-10 | 3.84E-11 | 1.01E-09 | 5.18E-09 | 9.77E-07 | 9.77E-07 | 1.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.86E-09 | 6.87E-12 | 3.18E-09 | 1.59E-10 | 1.90E-10 | 3.84E-11 | 1.01E-09 | 5.18E-09 | 9.77E-07 | 9.77E-07 | 1.33E-05 |
| UTERUS | G | 2.90E-08 | 1.24E-04 | 2.69E-07 | 6.26E-05 | 1.64E-05 | 2.60E-05 | 4.34E-07 | 1.31E-07 | 1.04E-08 | 1.04E-08 | 1.67E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.90E-08 | 1.24E-04 | 2.69E-07 | 6.26E-05 | 1.64E-05 | 2.60E-05 | 4.34E-07 | 1.31E-07 | 1.04E-08 | 1.04E-08 | 1.67E-05 |
| T BODY | G | 1.49E-05 | 1.55E-05 | 1.54E-05 | 1.61E-05 | 1.59E-05 | 1.61E-05 | 1.45E-05 | 1.52E-05 | 1.49E-05 | 1.49E-05 | 1.18E-05 |
| | B | 5.01E-06 | 5.63E-07 | 1.50E-06 | 4.01E-06 | 2.39E-06 | 2.97E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 |
| | T | 1.99E-05 | 1.60E-05 | 1.69E-05 | 2.01E-05 | 1.83E-05 | 1.91E-05 | 1.95E-05 | 2.02E-05 | 1.99E-05 | 1.99E-05 | 1.68E-05 |

CONTINUED NEXT PAGE

55-CESIUM-131 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 5.47E-08 | 4.51E-05 | 3.76E-06 | 3.76E-06 | 8.28E-06 | 4.17E-06 | 2.70E-06 | 3.81E-05 | 4.99E-10 | 4.86E-09 | 1.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 5.47E-08 | 4.51E-05 | 3.76E-06 | 3.76E-06 | 8.28E-06 | 4.17E-06 | 2.70E-06 | 3.81E-05 | 4.99E-10 | 4.86E-09 | 1.70E-05 |
| BLAD WALL | G | 3.05E-05 | 1.51E-08 | 3.87E-07 | 3.87E-07 | 1.91E-06 | 7.97E-07 | 2.17E-06 | 1.58E-08 | 2.00E-05 | 7.12E-12 | 1.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 3.05E-05 | 1.51E-08 | 3.87E-07 | 3.87E-07 | 1.91E-06 | 7.97E-07 | 2.17E-06 | 1.58E-08 | 2.00E-05 | 7.12E-12 | 1.82E-05 |
| GI TRACT S WALL | G | 6.71E-07 | 1.78E-04 | 1.24E-06 | 1.24E-06 | 1.52E-06 | 2.16E-06 | 2.32E-06 | 6.06E-05 | 3.44E-09 | 9.64E-09 | 1.36E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 6.71E-07 | 1.78E-04 | 1.24E-06 | 1.24E-06 | 1.52E-06 | 2.16E-06 | 2.32E-06 | 6.06E-05 | 3.44E-09 | 9.64E-09 | 1.86E-05 |
| SI+CONT | G | 1.07E-04 | 2.30E-06 | 1.98E-06 | 1.98E-06 | 7.57E-06 | 3.03E-06 | 1.02E-06 | 1.84E-06 | 8.59E-08 | 1.59E-10 | 1.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 1.07E-04 | 2.30E-06 | 1.98E-06 | 1.98E-06 | 7.57E-06 | 3.03E-06 | 1.02E-06 | 1.84E-06 | 8.59E-08 | 1.59E-10 | 2.07E-05 |
| ULI WALL | G | 1.18E-04 | 3.39E-06 | 1.63E-06 | 1.63E-06 | 6.88E-06 | 2.35E-06 | 1.38E-06 | 2.62E-06 | 8.12E-08 | 1.93E-10 | 1.59E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 1.18E-04 | 3.39E-06 | 1.63E-06 | 1.63E-06 | 6.88E-06 | 2.35E-06 | 1.38E-06 | 2.62E-06 | 8.12E-08 | 1.93E-10 | 2.09E-05 |
| LLI WALL | G | 1.65E-04 | 4.10E-07 | 3.99E-06 | 3.99E-06 | 1.51E-05 | 3.93E-06 | 1.06E-06 | 5.82E-07 | 8.02E-06 | 2.98E-11 | 1.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 1.65E-04 | 4.10E-07 | 3.99E-06 | 3.99E-06 | 1.51E-05 | 3.93E-06 | 1.06E-06 | 5.82E-07 | 8.02E-06 | 2.98E-11 | 1.99E-05 |
| KIDNEYS | G | 7.06E-07 | 2.87E-05 | 2.12E-06 | 2.12E-06 | 5.93E-06 | 2.99E-06 | 3.21E-06 | 7.55E-05 | 2.15E-09 | 1.01E-09 | 1.26E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 7.06E-07 | 2.87E-05 | 2.12E-06 | 2.12E-06 | 5.93E-06 | 2.99E-06 | 3.21E-06 | 7.55E-05 | 2.15E-09 | 1.01E-09 | 1.76E-05 |
| LIVER | G | 3.21E-07 | 1.89E-05 | 1.93E-06 | 1.93E-06 | 1.83E-06 | 3.49E-06 | 2.04E-06 | 7.77E-07 | 1.50E-09 | 9.77E-09 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 3.21E-07 | 1.89E-05 | 1.93E-06 | 1.93E-06 | 1.83E-06 | 3.49E-06 | 2.04E-06 | 7.77E-07 | 1.50E-09 | 9.77E-09 | 1.95E-05 |
| LUNGS | G | 4.78E-09 | 1.02E-05 | 3.69E-06 | 3.69E-06 | 4.22E-06 | 4.80E-06 | 2.90E-06 | 1.42E-05 | 6.73E-11 | 1.50E-06 | 1.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 4.78E-09 | 1.02E-05 | 3.69E-06 | 3.69E-06 | 4.22E-06 | 4.80E-06 | 2.90E-06 | 1.42E-05 | 6.73E-11 | 1.50E-06 | 1.98E-05 |
| RESP LYM NODE | G | 4.78E-09 | 1.02E-05 | 3.69E-06 | 3.69E-06 | 4.22E-06 | 4.80E-06 | 2.90E-06 | 1.42E-05 | 6.73E-11 | 1.50E-06 | 1.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 4.78E-09 | 1.02E-05 | 3.69E-06 | 3.69E-06 | 4.22E-06 | 4.80E-06 | 2.90E-06 | 1.42E-05 | 6.73E-11 | 1.50E-06 | 1.98E-05 |
| MUSCLE* | G | 1.42E-05 | 1.39E-05 | 3.53E-06 | 3.53E-06 | 4.51E-06 | 3.91E-06 | 6.25E-06 | 1.08E-05 | 6.50E-06 | 1.33E-05 | 1.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 1.42E-05 | 1.39E-05 | 3.53E-06 | 3.53E-06 | 4.51E-06 | 3.91E-06 | 6.25E-06 | 1.08E-05 | 6.50E-06 | 1.33E-05 | 1.68E-05 |
| OVARIES | G | 1.65E-02 | 1.43E-07 | 4.34E-06 | 4.34E-06 | 6.75E-06 | 1.77E-06 | 9.14E-07 | 1.47E-07 | 4.02E-46 | 2.65E-11 | 1.45E-05 |
| | B | 3.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 4.83E-02 | 1.43E-07 | 4.34E-06 | 4.34E-06 | 6.75E-06 | 1.77E-06 | 9.14E-07 | 1.47E-07 | 4.02E-46 | 2.65E-11 | 1.95E-05 |

55-CESIUM-131 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.23E-07 | 4.10E-03 | 1.68E-06 | 1.68E-06 | 2.63E-06 | 1.71E-06 | 1.04E-06 | 2.11E-04 | 1.22E-09 | 4.36E-09 | 1.48E-05 |
| | B | 0.0 | 3.50E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 1.23E-07 | 7.60E-03 | 1.68E-06 | 1.68E-06 | 2.63E-06 | 1.71E-06 | 1.04E-06 | 2.11E-04 | 1.22E-09 | 4.36E-09 | 1.98E-05 |
| SKELETON BONE | G | 9.10E-06 | 5.88E-06 | 8.09E-05 | 8.09E-05 | 5.10E-05 | 6.48E-05 | 1.01E-05 | 6.69E-06 | 1.44E-06 | 3.52E-06 | 2.33E-05 |
| | B | 0.0 | 0.0 | 7.01E-05 | 6.87E-05 | 9.60E-07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 9.10E-06 | 5.88E-06 | 1.51E-04 | 1.50E-04 | 5.19E-05 | 6.48E-05 | 1.01E-05 | 6.69E-06 | 1.44E-06 | 3.52E-06 | 2.83E-05 |
| R MARROW | G | 3.77E-05 | 1.07E-05 | 7.50E-05 | 7.50E-05 | 2.07E-04 | 6.46E-05 | 9.16E-06 | 7.09E-06 | 8.41E-07 | 3.26E-06 | 2.66E-05 |
| | B | 0.0 | 0.0 | 3.76E-08 | 4.80E-06 | 2.30E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 3.77E-05 | 1.07E-05 | 7.51E-05 | 7.98E-05 | 4.38E-04 | 6.46E-05 | 9.16E-06 | 7.09E-06 | 8.41E-07 | 3.26E-06 | 3.16E-05 |
| Y MARROW | G | 1.28E-05 | 6.27E-06 | 7.60E-05 | 7.60E-05 | 7.18E-05 | 1.34E-04 | 1.24E-05 | 1.03E-05 | 3.32E-07 | 1.74E-06 | 2.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.34E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 1.28E-05 | 6.27E-06 | 7.60E-05 | 7.60E-05 | 7.18E-05 | 3.68E-04 | 1.24E-05 | 1.03E-05 | 3.32E-07 | 1.74E-06 | 2.88E-05 |
| T E CL | G | 9.10E-06 | 5.88E-06 | 7.95E-05 | 7.95E-05 | 8.00E-05 | 7.83E-05 | 1.01E-05 | 6.69E-06 | 1.44E-06 | 3.52E-06 | 2.35E-05 |
| | B | 0.0 | 0.0 | 7.99E-06 | 1.67E-05 | 1.06E-04 | 5.84E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 9.10E-06 | 5.88E-06 | 8.75E-05 | 9.62E-05 | 1.86E-04 | 1.37E-04 | 1.01E-05 | 6.69E-06 | 1.44E-06 | 3.52E-06 | 2.85E-05 |
| SKIN | G | 6.08E-07 | 6.59E-07 | 2.63E-06 | 2.63E-06 | 2.35E-06 | 3.54E-06 | 3.40E-05 | 1.77E-06 | 1.59E-05 | 6.06E-06 | 6.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.35E-04 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 6.08E-07 | 6.59E-07 | 2.63E-06 | 2.63E-06 | 2.35E-06 | 3.54E-06 | 1.69E-04 | 1.77E-06 | 1.59E-05 | 6.06E-06 | 1.16E-05 |
| SPLEEN | G | 1.49E-07 | 2.03E-04 | 2.29E-06 | 2.29E-06 | 1.78E-06 | 2.85E-06 | 1.82E-06 | 2.30E-03 | 1.03E-09 | 5.58E-09 | 1.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.95E-03 | 0.0 | 0.0 | 5.01E-06 |
| | T | 1.49E-07 | 2.03E-04 | 2.29E-06 | 2.29E-06 | 1.78E-06 | 2.85E-06 | 1.82E-06 | 4.25E-03 | 1.03E-09 | 5.58E-09 | 1.98E-05 |
| TESTES | G | 4.02E-46 | 1.23E-09 | 9.75E-07 | 9.75E-07 | 4.07E-07 | 1.45E-06 | 1.07E-05 | 1.03E-09 | 6.92E-03 | 7.37E-13 | 1.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00E-02 | 0.0 | 5.01E-06 |
| | T | 4.02E-46 | 1.23E-09 | 9.75E-07 | 9.75E-07 | 4.07E-07 | 1.45E-06 | 1.07E-05 | 1.03E-09 | 1.69E-02 | 7.37E-13 | 1.56E-05 |
| THYMUS | G | 3.72E-10 | 1.37E-07 | 9.29E-07 | 9.29E-07 | 1.54E-06 | 2.95E-06 | 1.80E-06 | 3.09E-08 | 9.60E-12 | 1.33E-05 | 1.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 3.72E-10 | 1.37E-07 | 9.29E-07 | 9.29E-07 | 1.54E-06 | 2.95E-06 | 1.80E-06 | 3.09E-08 | 9.60E-12 | 1.33E-05 | 1.79E-05 |
| THYROID | G | 2.66E-11 | 4.36E-09 | 2.23E-06 | 2.23E-06 | 1.11E-06 | 2.58E-06 | 5.91E-06 | 2.73E-09 | 7.41E-13 | 9.92E-03 | 1.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.75E-02 | 5.01E-06 |
| | T | 2.66E-11 | 4.36E-09 | 2.23E-06 | 2.23E-06 | 1.11E-06 | 2.58E-06 | 5.91E-06 | 2.73E-09 | 7.41E-13 | 2.74E-02 | 1.56E-05 |
| UTERUS | G | 1.63E-04 | 1.63E-07 | 1.40E-06 | 1.40E-06 | 3.69E-06 | 1.37E-06 | 7.87E-07 | 7.43E-08 | 4.02E-46 | 2.34E-11 | 1.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.01E-06 |
| | T | 1.63E-04 | 1.63E-07 | 1.40E-06 | 1.40E-06 | 3.69E-06 | 1.37E-06 | 7.87E-07 | 7.43E-08 | 4.02E-46 | 2.34E-11 | 1.96E-05 |
| T BODY | G | 1.64E-05 | 1.63E-05 | 1.50E-05 | 1.50E-05 | 1.52E-05 | 1.44E-05 | 7.45E-06 | 1.53E-05 | 1.19E-05 | 1.28E-05 | 1.35E-05 |
| | B | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 | 5.01E-06 |
| | T | 2.14E-05 | 2.13E-05 | 2.01E-05 | 2.01E-05 | 2.03E-05 | 1.94E-05 | 1.25E-05 | 2.03E-05 | 1.69E-05 | 1.78E-05 | 1.85E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-APRIL 1971

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 55-CESIUM-134M (TR=2.900E 00 HOURS)

DATE OF TABLE 04-01-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 7.19E-03 | 4.67E-07 | 1.08E-05 | 3.21E-06 | 3.55E-06 | 1.10E-06 | 7.84E-05 | 2.62E-05 | 1.21E-05 | 1.21E-05 | 9.39E-06 |
| | B | 4.07E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.14E-01 | 4.67E-07 | 1.08E-05 | 3.21E-06 | 3.55E-06 | 1.10E-06 | 7.84E-05 | 2.62E-05 | 1.21E-05 | 1.21E-05 | 9.39E-06 |
| BLAD WALL | G | 4.37E-07 | 6.74E-04 | 9.12E-07 | 1.11E-05 | 9.03E-06 | 3.51E-05 | 8.98E-07 | 5.07E-07 | 1.06E-07 | 1.06E-07 | 1.01E-05 |
| | B | 0.0 | 1.42E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.37E-07 | 1.49E-02 | 9.12E-07 | 1.11E-05 | 9.03E-06 | 3.51E-05 | 8.98E-07 | 5.07E-07 | 1.06E-07 | 1.06E-07 | 1.01E-05 |
| GI TRACT S WALL | G | 1.20E-05 | 8.89E-07 | 4.72E-04 | 1.85E-05 | 2.24E-05 | 8.09E-06 | 1.56E-05 | 7.93E-06 | 9.67E-06 | 9.67E-06 | 7.48E-06 |
| | B | 0.0 | 0.0 | 1.14E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.20E-05 | 8.89E-07 | 1.19E-02 | 1.85E-05 | 2.24E-05 | 8.09E-06 | 1.56E-05 | 7.93E-06 | 9.67E-06 | 9.67E-06 | 7.48E-06 |
| SI+CONT | G | 2.84E-06 | 1.23E-05 | 1.20E-05 | 2.77E-04 | 1.22E-04 | 6.54E-05 | 1.25E-05 | 6.67E-06 | 6.20E-07 | 6.20E-07 | 8.28E-06 |
| | B | 0.0 | 0.0 | 0.0 | 7.12E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.84E-06 | 1.23E-05 | 1.20E-05 | 7.39E-03 | 1.22E-04 | 6.54E-05 | 1.25E-05 | 6.67E-06 | 6.20E-07 | 6.20E-07 | 8.28E-06 |
| ULI WALL | G | 3.26E-06 | 8.51E-06 | 1.90E-05 | 2.06E-04 | 3.85E-04 | 2.75E-05 | 1.23E-05 | 1.22E-05 | 7.45E-07 | 7.45E-07 | 8.93E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.26E-06 | 8.51E-06 | 1.90E-05 | 2.06E-04 | 1.33E-02 | 2.75E-05 | 1.23E-05 | 1.22E-05 | 7.45E-07 | 7.45E-07 | 8.93E-06 |
| LLI WALL | G | 7.09E-07 | 4.05E-05 | 4.69E-06 | 5.24E-05 | 1.87E-05 | 4.74E-04 | 2.54E-06 | 7.40E-07 | 2.04E-07 | 2.04E-07 | 9.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.11E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.09E-07 | 4.05E-05 | 4.69E-06 | 5.24E-05 | 1.87E-05 | 2.16E-02 | 2.54E-06 | 7.40E-07 | 2.04E-07 | 2.04E-07 | 9.01E-06 |
| KIDNEYS | G | 7.78E-05 | 8.49E-07 | 1.52E-05 | 1.37E-05 | 1.20E-05 | 3.14E-06 | 8.26E-04 | 2.02E-05 | 3.31E-06 | 3.31E-06 | 8.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.78E-05 | 8.49E-07 | 1.52E-05 | 1.37E-05 | 1.20E-05 | 3.14E-06 | 1.92E-02 | 2.02E-05 | 3.31E-06 | 3.31E-06 | 8.31E-06 |
| LIVER | G | 2.80E-05 | 5.25E-07 | 8.46E-06 | 8.08E-06 | 1.18E-05 | 7.96E-07 | 1.97E-05 | 2.37E-04 | 1.43E-05 | 1.43E-05 | 5.92E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.16E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.80E-05 | 5.25E-07 | 8.46E-06 | 8.08E-06 | 1.18E-05 | 7.96E-07 | 1.97E-05 | 3.40E-03 | 1.43E-05 | 1.43E-05 | 5.92E-06 |
| LUNGS | G | 1.26E-05 | 7.46E-08 | 9.30E-06 | 7.23E-07 | 8.72E-07 | 2.48E-07 | 3.33E-06 | 1.56E-05 | 1.91E-04 | 1.91E-04 | 8.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.69E-03 | 5.69E-03 | 0.0 |
| | T | 1.26E-05 | 7.46E-08 | 9.30E-06 | 7.23E-07 | 8.72E-07 | 2.48E-07 | 3.33E-06 | 1.56E-05 | 5.88E-03 | 5.88E-03 | 8.68E-06 |
| RESP LYM NODE | G | 1.26E-05 | 7.46E-08 | 9.30E-06 | 7.23E-07 | 8.72E-07 | 2.48E-07 | 3.33E-06 | 1.56E-05 | 1.64E-04 | 1.91E-04 | 8.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-03 | 3.80E-01 | 0.0 |
| | T | 1.26E-05 | 7.46E-08 | 9.30E-06 | 7.23E-07 | 8.72E-07 | 2.48E-07 | 3.33E-06 | 1.56E-05 | 5.20E-03 | 3.80E-01 | 8.68E-06 |
| MUSCLE* | G | 9.39E-06 | 1.01E-05 | 7.94E-06 | 8.28E-06 | 7.92E-06 | 9.01E-06 | 8.31E-06 | 5.92E-06 | 8.68E-06 | 8.68E-06 | 1.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.03E-04 |
| | T | 9.39E-06 | 1.01E-05 | 7.94E-06 | 8.28E-06 | 7.92E-06 | 9.01E-06 | 8.31E-06 | 5.92E-06 | 8.68E-06 | 8.68E-06 | 2.14E-04 |
| OVARIES | G | 2.00E-06 | 3.65E-05 | 1.84E-06 | 6.38E-05 | 7.12E-05 | 1.35E-04 | 3.82E-06 | 1.51E-06 | 2.91E-07 | 2.91E-07 | 1.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.00E-06 | 3.65E-05 | 1.84E-06 | 6.38E-05 | 7.12E-05 | 1.35E-04 | 3.82E-06 | 1.51E-06 | 2.91E-07 | 2.91E-07 | 1.19E-05 |

55-CESIUM-134M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 4.75E-05 | 6.96E-07 | 1.22E-04 | 7.88E-06 | 8.85E-06 | 2.70E-06 | 3.27E-05 | 2.18E-05 | 1.26E-05 | 1.26E-05 | 1.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.75E-05 | 6.96E-07 | 1.22E-04 | 7.88E-06 | 8.85E-06 | 2.70E-06 | 3.27E-05 | 2.18E-05 | 1.26E-05 | 1.26E-05 | 1.12E-05 |
| SKELETON BONE | G | 1.34E-05 | 3.71E-06 | 4.52E-06 | 6.75E-06 | 6.16E-06 | 1.15E-05 | 8.43E-06 | 6.49E-06 | 9.82E-06 | 9.82E-06 | 4.52E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-05 | 3.71E-06 | 4.52E-06 | 6.75E-06 | 6.16E-06 | 1.15E-05 | 8.43E-06 | 6.49E-06 | 9.82E-06 | 9.82E-06 | 4.52E-06 |
| R MARROW | G | 2.27E-05 | 9.52E-06 | 7.22E-06 | 2.43E-05 | 2.16E-05 | 4.13E-05 | 2.23E-05 | 8.15E-06 | 1.20E-05 | 1.20E-05 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.27E-05 | 9.52E-06 | 7.22E-06 | 2.43E-05 | 2.16E-05 | 4.13E-05 | 2.23E-05 | 8.15E-06 | 1.20E-05 | 1.20E-05 | 1.41E-05 |
| Y MARROW | G | 1.25E-05 | 3.65E-06 | 6.39E-06 | 9.48E-06 | 8.86E-06 | 1.51E-05 | 1.02E-05 | 9.98E-06 | 1.07E-05 | 1.07E-05 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.25E-05 | 3.65E-06 | 6.39E-06 | 9.48E-06 | 8.86E-06 | 1.51E-05 | 1.02E-05 | 9.98E-06 | 1.07E-05 | 1.07E-05 | 1.09E-05 |
| T E CL | G | 1.34E-05 | 3.71E-06 | 4.52E-06 | 6.75E-06 | 6.16E-06 | 1.15E-05 | 8.43E-06 | 6.49E-06 | 9.82E-06 | 9.82E-06 | 4.52E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-05 | 3.71E-06 | 4.52E-06 | 6.75E-06 | 6.16E-06 | 1.15E-05 | 8.43E-06 | 6.49E-06 | 9.82E-06 | 9.82E-06 | 4.52E-06 |
| SKIN | G | 2.56E-06 | 2.55E-06 | 2.11E-06 | 1.67E-06 | 1.76E-06 | 2.07E-06 | 2.80E-06 | 2.30E-06 | 2.55E-06 | 2.55E-06 | 4.76E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.56E-06 | 2.55E-06 | 2.11E-06 | 1.67E-06 | 1.76E-06 | 2.07E-06 | 2.80E-06 | 2.30E-06 | 2.55E-06 | 2.55E-06 | 4.76E-06 |
| SPLEEN | G | 3.52E-05 | 2.43E-06 | 5.66E-05 | 6.17E-06 | 5.53E-06 | 2.92E-06 | 5.81E-05 | 3.35E-06 | 1.32E-05 | 1.32E-05 | 8.86E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.52E-05 | 2.43E-06 | 5.66E-05 | 6.17E-06 | 5.53E-06 | 2.92E-06 | 5.81E-05 | 3.35E-06 | 1.32E-05 | 1.32E-05 | 8.86E-06 |
| TESTES | G | 9.13E-08 | 2.26E-05 | 1.51E-07 | 9.84E-07 | 8.57E-07 | 7.64E-06 | 2.62E-07 | 1.84E-07 | 2.21E-08 | 2.21E-08 | 6.19E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.13E-08 | 2.26E-05 | 1.51E-07 | 9.84E-07 | 8.57E-07 | 7.64E-06 | 2.62E-07 | 1.84E-07 | 2.21E-08 | 2.21E-08 | 6.19E-06 |
| THYMUS | G | 1.37E-06 | 3.01E-08 | 9.19E-07 | 2.40E-07 | 3.10E-07 | 7.71E-08 | 6.53E-07 | 2.12E-06 | 2.24E-05 | 2.24E-05 | 1.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.37E-06 | 3.01E-08 | 9.19E-07 | 2.40E-07 | 3.10E-07 | 7.71E-08 | 6.53E-07 | 2.12E-06 | 2.24E-05 | 2.24E-05 | 1.24E-05 |
| THYROID | G | 3.77E-07 | 5.44E-09 | 2.55E-07 | 4.18E-08 | 4.64E-08 | 1.48E-08 | 1.39E-07 | 4.17E-07 | 3.41E-06 | 3.41E-06 | 9.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.77E-07 | 5.44E-09 | 2.55E-07 | 4.18E-08 | 4.64E-08 | 1.48E-08 | 1.39E-07 | 4.17E-07 | 3.41E-06 | 3.41E-06 | 9.32E-06 |
| UTERUS | G | 2.48E-06 | 1.01E-04 | 2.54E-06 | 5.65E-05 | 2.45E-05 | 3.36E-05 | 3.08E-06 | 1.29E-06 | 2.55E-07 | 2.55E-07 | 1.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.48E-06 | 1.01E-04 | 2.54E-06 | 5.65E-05 | 2.45E-05 | 3.36E-05 | 3.08E-06 | 1.29E-06 | 2.55E-07 | 2.55E-07 | 1.42E-05 |
| T BODY | G | 1.18E-05 | 1.26E-05 | 1.23E-05 | 1.33E-05 | 1.31E-05 | 1.32E-05 | 1.16E-05 | 1.20E-05 | 1.11E-05 | 1.11E-05 | 9.28E-06 |
| | B | 8.13E-05 | 9.15E-06 | 2.44E-05 | 6.51E-05 | 3.88E-05 | 4.82E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 |
| | T | 9.31E-05 | 2.18E-05 | 3.67E-05 | 7.84E-05 | 5.19E-05 | 6.14E-05 | 9.29E-05 | 9.33E-05 | 9.24E-05 | 9.24E-05 | 9.06E-05 |

CONTINUED NEXT PAGE

55-CESIUM-134M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.03E-06 | 4.85E-05 | 4.89E-06 | 4.89E-06 | 1.03E-05 | 5.22E-06 | 3.13E-06 | 3.55E-05 | 9.13E-08 | 3.77E-07 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.03E-06 | 4.85E-05 | 4.89E-06 | 4.89E-06 | 1.03E-05 | 5.22E-06 | 3.13E-06 | 3.55E-05 | 9.13E-08 | 3.77E-07 | 9.21E-05 |
| BLAD WALL | G | 3.60E-05 | 4.48E-07 | 1.83E-06 | 1.83E-06 | 4.10E-06 | 1.62E-06 | 2.41E-06 | 3.41E-07 | 2.37E-05 | 5.51E-09 | 1.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 3.60E-05 | 4.48E-07 | 1.83E-06 | 1.83E-06 | 4.10E-06 | 1.62E-06 | 2.41E-06 | 3.41E-07 | 2.37E-05 | 5.51E-09 | 9.24E-05 |
| GI TRACT S WALL | G | 2.89E-06 | 1.28E-04 | 2.26E-06 | 2.26E-06 | 3.57E-06 | 3.48E-06 | 2.66E-06 | 5.75E-05 | 9.26E-08 | 1.55E-07 | 1.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 2.89E-06 | 1.28E-04 | 2.26E-06 | 2.26E-06 | 3.57E-06 | 3.48E-06 | 2.66E-06 | 5.75E-05 | 9.26E-08 | 1.55E-07 | 9.23E-05 |
| SI+CONT | G | 8.21E-05 | 6.81E-06 | 3.16E-06 | 3.16E-06 | 1.14E-05 | 4.64E-06 | 1.84E-06 | 5.34E-06 | 1.14E-06 | 2.50E-08 | 1.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 8.21E-05 | 6.81E-06 | 3.16E-06 | 3.16E-06 | 1.14E-05 | 4.64E-06 | 1.84E-06 | 5.34E-06 | 1.14E-06 | 2.50E-08 | 9.43E-05 |
| ULI WALL | G | 8.14E-05 | 8.30E-06 | 2.84E-06 | 2.84E-06 | 9.55E-06 | 3.89E-06 | 2.06E-06 | 5.86E-06 | 9.83E-07 | 3.52E-08 | 1.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 8.14E-05 | 8.30E-06 | 2.84E-06 | 2.84E-06 | 9.55E-06 | 3.89E-06 | 2.06E-06 | 5.86E-06 | 9.83E-07 | 3.52E-08 | 9.42E-05 |
| LLI WALL | G | 1.12E-04 | 1.99E-06 | 4.92E-06 | 4.92E-06 | 1.54E-05 | 4.51E-06 | 1.96E-06 | 2.19E-06 | 1.21E-05 | 1.19E-08 | 1.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.12E-04 | 1.99E-06 | 4.92E-06 | 4.92E-06 | 1.54E-05 | 4.51E-06 | 1.96E-06 | 2.19E-06 | 1.21E-05 | 1.19E-08 | 9.33E-05 |
| KIDNEYS | G | 3.23E-06 | 3.32E-05 | 3.46E-06 | 3.46E-06 | 9.47E-06 | 4.63E-06 | 3.10E-06 | 5.98E-05 | 1.17E-07 | 1.04E-07 | 1.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 3.23E-06 | 3.32E-05 | 3.46E-06 | 3.46E-06 | 9.47E-06 | 4.63E-06 | 3.10E-06 | 5.98E-05 | 1.17E-07 | 1.04E-07 | 9.20E-05 |
| LIVER | G | 1.83E-06 | 2.20E-05 | 2.88E-06 | 2.88E-06 | 3.67E-06 | 4.60E-06 | 2.52E-06 | 3.46E-06 | 9.23E-08 | 2.87E-07 | 1.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.83E-06 | 2.20E-05 | 2.88E-06 | 2.88E-06 | 3.67E-06 | 4.60E-06 | 2.52E-06 | 3.46E-06 | 9.23E-08 | 2.87E-07 | 9.28E-05 |
| LUNGS | G | 1.84E-07 | 1.25E-05 | 4.53E-06 | 4.53E-06 | 5.42E-06 | 5.02E-06 | 3.03E-06 | 1.31E-05 | 1.73E-08 | 3.64E-06 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.84E-07 | 1.25E-05 | 4.53E-06 | 4.53E-06 | 5.42E-06 | 5.02E-06 | 3.03E-06 | 1.31E-05 | 1.73E-08 | 3.64E-06 | 9.22E-05 |
| RESP LYM NODE | G | 1.84E-07 | 1.25E-05 | 4.53E-06 | 4.53E-06 | 5.42E-06 | 5.02E-06 | 3.03E-06 | 1.31E-05 | 1.73E-08 | 3.64E-06 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.84E-07 | 1.25E-05 | 4.53E-06 | 4.53E-06 | 5.42E-06 | 5.02E-06 | 3.03E-06 | 1.31E-05 | 1.73E-08 | 3.64E-06 | 9.22E-05 |
| MUSCLE* | G | 1.19E-05 | 1.12E-05 | 4.52E-06 | 4.52E-06 | 5.59E-06 | 4.33E-06 | 4.76E-06 | 8.86E-06 | 6.19E-06 | 9.32E-06 | 9.28E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.19E-05 | 1.12E-05 | 4.52E-06 | 4.52E-06 | 5.59E-06 | 4.33E-06 | 4.76E-06 | 8.86E-06 | 6.19E-06 | 9.32E-06 | 9.06E-05 |
| OVARIES | G | 1.25E-02 | 1.43E-06 | 4.04E-06 | 4.04E-06 | 1.38E-05 | 5.78E-06 | 1.54E-06 | 1.23E-06 | 8.79E-46 | 1.33E-08 | 1.21E-05 |
| | B | 5.18E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 5.30E-01 | 1.43E-06 | 4.04E-06 | 4.04E-06 | 1.38E-05 | 5.78E-06 | 1.54E-06 | 1.23E-06 | 8.79E-46 | 1.33E-08 | 9.34E-05 |

55-CESIUM-134M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.66E-06 | 2.74E-03 | 3.29E-06 | 3.29E-06 | 6.58E-06 | 4.24E-06 | 1.75E-06 | 1.45E-04 | 1.61E-07 | 2.07E-07 | 1.23E-05 |
| | B | 0.0 | 5.69E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.66E-06 | 5.97E-02 | 3.29E-06 | 3.29E-06 | 6.58E-06 | 4.24E-06 | 1.75E-06 | 1.45E-04 | 1.61E-07 | 2.07E-07 | 9.36E-05 |
| SKELETON BONE | G | 8.98E-06 | 7.40E-06 | 4.98E-05 | 4.98E-05 | 3.07E-05 | 3.73E-05 | 7.36E-06 | 6.60E-06 | 3.68E-06 | 4.88E-06 | 1.61E-05 |
| | B | 0.0 | 0.0 | 1.14E-03 | 9.15E-04 | 1.49E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 8.98E-06 | 7.40E-06 | 1.19E-03 | 9.65E-04 | 1.80E-04 | 3.73E-05 | 7.36E-06 | 6.60E-06 | 3.68E-06 | 4.88E-06 | 9.75E-05 |
| R MARROW | G | 3.43E-05 | 1.40E-05 | 4.42E-05 | 4.42E-05 | 1.30E-04 | 3.78E-05 | 6.84E-06 | 8.65E-06 | 2.78E-06 | 5.09E-06 | 1.90E-05 |
| | B | 0.0 | 0.0 | 7.76E-06 | 7.46E-04 | 3.28E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 3.43E-05 | 1.40E-05 | 5.19E-05 | 7.90E-04 | 3.41E-03 | 3.78E-05 | 6.84E-06 | 8.65E-06 | 2.78E-06 | 5.09E-06 | 1.00E-04 |
| Y MARROW | G | 1.24E-05 | 8.33E-06 | 4.38E-05 | 4.38E-05 | 4.18E-05 | 8.62E-05 | 8.45E-06 | 1.01E-05 | 1.25E-06 | 2.47E-06 | 1.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.80E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.24E-05 | 8.33E-06 | 4.38E-05 | 4.38E-05 | 4.18E-05 | 3.88E-03 | 8.45E-06 | 1.01E-05 | 1.25E-06 | 2.47E-06 | 9.75E-05 |
| T E CL | G | 8.98E-06 | 7.40E-06 | 4.73E-05 | 4.73E-05 | 5.28E-05 | 5.06E-05 | 7.36E-06 | 6.60E-06 | 3.68E-06 | 4.88E-06 | 1.65E-05 |
| | B | 0.0 | 0.0 | 5.83E-04 | 1.18E-03 | 1.11E-03 | 9.49E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 8.98E-06 | 7.40E-06 | 6.30E-04 | 1.23E-03 | 1.16E-03 | 1.00E-03 | 7.36E-06 | 6.60E-06 | 3.68E-06 | 4.88E-06 | 9.78E-05 |
| SKIN | G | 1.54E-06 | 1.54E-06 | 3.09E-06 | 3.09E-06 | 2.78E-06 | 3.72E-06 | 2.88E-05 | 2.20E-06 | 1.05E-05 | 4.71E-06 | 5.34E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-03 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.54E-06 | 1.54E-06 | 3.09E-06 | 3.09E-06 | 2.78E-06 | 3.72E-06 | 2.22E-03 | 2.20E-06 | 1.05E-05 | 4.71E-06 | 8.67E-05 |
| SPLEEN | G | 1.59E-06 | 1.43E-04 | 2.75E-06 | 2.75E-06 | 3.70E-06 | 4.53E-06 | 2.46E-06 | 1.47E-03 | 5.38E-08 | 3.27E-07 | 1.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.16E-02 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.59E-06 | 1.43E-04 | 2.75E-06 | 2.75E-06 | 3.70E-06 | 4.53E-06 | 2.46E-06 | 3.31E-02 | 5.38E-08 | 3.27E-07 | 9.30E-05 |
| TESTES | G | 8.79E-46 | 1.61E-07 | 2.48E-06 | 2.48E-06 | 1.71E-06 | 4.13E-06 | 7.00E-06 | 1.41E-07 | 4.57E-03 | 1.27E-09 | 8.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.63E-01 | 0.0 | 8.13E-05 |
| | T | 8.79E-46 | 1.61E-07 | 2.48E-06 | 2.48E-06 | 1.71E-06 | 4.13E-06 | 7.00E-06 | 1.41E-07 | 1.67E-01 | 1.27E-09 | 8.97E-05 |
| THYMUS | G | 7.46E-08 | 1.82E-06 | 2.09E-06 | 2.09E-06 | 3.51E-06 | 3.53E-06 | 2.65E-06 | 8.80E-07 | 6.75E-09 | 1.91E-05 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 7.46E-08 | 1.82E-06 | 2.09E-06 | 2.09E-06 | 3.51E-06 | 3.53E-06 | 2.65E-06 | 8.80E-07 | 6.75E-09 | 1.91E-05 | 9.21E-05 |
| THYROID | G | 1.33E-08 | 3.53E-07 | 3.35E-06 | 3.35E-06 | 2.60E-06 | 5.04E-06 | 4.55E-06 | 2.57E-07 | 1.27E-09 | 6.87E-03 | 7.71E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.85E-01 | 8.13E-05 |
| | T | 1.33E-08 | 3.53E-07 | 3.35E-06 | 3.35E-06 | 2.60E-06 | 5.04E-06 | 4.55E-06 | 2.57E-07 | 1.27E-09 | 2.92E-01 | 8.90E-05 |
| UTERUS | G | 1.33E-04 | 1.68E-06 | 2.36E-06 | 2.36E-06 | 8.53E-06 | 2.74E-06 | 1.63E-06 | 1.32E-06 | 8.79E-46 | 1.23E-08 | 1.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-05 |
| | T | 1.33E-04 | 1.68E-06 | 2.36E-06 | 2.36E-06 | 8.53E-06 | 2.74E-06 | 1.63E-06 | 1.32E-06 | 8.79E-46 | 1.23E-08 | 9.43E-05 |
| T BODY | G | 1.37E-05 | 1.35E-05 | 1.12E-05 | 1.12E-05 | 1.18E-05 | 1.03E-05 | 5.84E-06 | 1.20E-05 | 9.42E-06 | 9.51E-06 | 1.03E-05 |
| | B | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 | 8.13E-05 |
| | T | 9.50E-05 | 9.48E-05 | 9.25E-05 | 9.25E-05 | 9.31E-05 | 9.16E-05 | 8.72E-05 | 9.33E-05 | 9.08E-05 | 9.08E-05 | 9.17E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 55-CESIUM-134 (TR=2.050E 00 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.23E-01 | 6.47E-05 | 5.79E-04 | 3.24E-04 | 2.97E-04 | 1.33E-04 | 3.30E-03 | 1.29E-03 | 6.40E-04 | 6.40E-04 | 4.08E-04 |
| | B | 6.24E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.46E-01 | 6.47E-05 | 5.79E-04 | 3.24E-04 | 2.97E-04 | 1.33E-04 | 3.30E-03 | 1.29E-03 | 6.40E-04 | 6.40E-04 | 4.08E-04 |
| BLAD WALL | G | 4.62E-05 | 1.92E-02 | 1.27E-04 | 7.73E-04 | 5.32E-04 | 1.44E-03 | 1.14E-04 | 7.49E-05 | 2.21E-05 | 2.21E-05 | 4.72E-04 |
| | B | 0.0 | 2.18E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.62E-05 | 4.10E-02 | 1.27E-04 | 7.73E-04 | 5.32E-04 | 1.44E-03 | 1.14E-04 | 7.49E-05 | 2.21E-05 | 2.21E-05 | 4.72E-04 |
| GI TRACT S WALL | G | 7.86E-04 | 1.12E-04 | 1.37E-02 | 9.14E-04 | 9.53E-04 | 4.52E-04 | 8.84E-04 | 5.13E-04 | 5.02E-04 | 5.02E-04 | 3.76E-04 |
| | B | 0.0 | 0.0 | 1.75E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.86E-04 | 1.12E-04 | 3.12E-02 | 9.14E-04 | 9.53E-04 | 4.52E-04 | 8.84E-04 | 5.13E-04 | 5.02E-04 | 5.02E-04 | 3.76E-04 |
| SI+CONT | G | 2.57E-04 | 7.06E-04 | 6.88E-04 | 8.09E-03 | 4.25E-03 | 2.36E-03 | 7.34E-04 | 4.22E-04 | 8.02E-05 | 8.02E-05 | 4.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.09E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.57E-04 | 7.06E-04 | 6.88E-04 | 1.90E-02 | 4.25E-03 | 2.36E-03 | 7.34E-04 | 4.22E-04 | 8.02E-05 | 8.02E-05 | 4.12E-04 |
| ULI WALL | G | 2.90E-04 | 5.81E-04 | 8.46E-04 | 6.00E-03 | 1.14E-02 | 1.09E-03 | 7.62E-04 | 6.61E-04 | 1.07E-04 | 1.07E-04 | 4.35E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.90E-04 | 5.81E-04 | 8.46E-04 | 6.00E-03 | 3.12E-02 | 1.09E-03 | 7.62E-04 | 6.61E-04 | 1.07E-04 | 1.07E-04 | 4.35E-04 |
| LLI WALL | G | 8.42E-05 | 1.82E-03 | 3.52E-04 | 1.79E-03 | 8.30E-04 | 1.35E-02 | 2.35E-04 | 8.19E-05 | 2.29E-05 | 2.29E-05 | 4.50E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.42E-05 | 1.82E-03 | 3.52E-04 | 1.79E-03 | 8.30E-04 | 4.59E-02 | 2.35E-04 | 8.19E-05 | 2.29E-05 | 2.29E-05 | 4.50E-04 |
| KIDNEYS | G | 3.00E-03 | 1.01E-04 | 8.71E-04 | 8.42E-04 | 7.41E-04 | 2.33E-04 | 1.91E-02 | 9.89E-04 | 2.74E-04 | 2.74E-04 | 3.83E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.82E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.00E-03 | 1.01E-04 | 8.71E-04 | 8.42E-04 | 7.41E-04 | 2.33E-04 | 4.73E-02 | 9.89E-04 | 2.74E-04 | 2.74E-04 | 3.83E-04 |
| LIVER | G | 1.27E-03 | 7.88E-05 | 5.34E-04 | 4.88E-04 | 6.58E-04 | 9.86E-05 | 1.04E-03 | 6.75E-03 | 6.33E-04 | 6.33E-04 | 3.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.85E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.27E-03 | 7.88E-05 | 5.34E-04 | 4.88E-04 | 6.58E-04 | 9.86E-05 | 1.04E-03 | 1.16E-02 | 6.33E-04 | 6.33E-04 | 3.00E-04 |
| LUNGS | G | 6.24E-04 | 1.72E-05 | 4.85E-04 | 9.20E-05 | 1.00E-04 | 3.45E-05 | 2.60E-04 | 6.42E-04 | 3.82E-03 | 3.82E-03 | 3.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.73E-03 | 8.73E-03 | 0.0 |
| | T | 6.24E-04 | 1.72E-05 | 4.85E-04 | 9.20E-05 | 1.00E-04 | 3.45E-05 | 2.60E-04 | 6.42E-04 | 1.25E-02 | 1.25E-02 | 3.56E-04 |
| RESP LYM NODE | G | 6.24E-04 | 1.72E-05 | 4.85E-04 | 9.20E-05 | 1.00E-04 | 3.45E-05 | 2.60E-04 | 6.42E-04 | 3.82E-03 | 3.82E-03 | 3.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.73E-03 | 5.82E-01 | 0.0 |
| | T | 6.24E-04 | 1.72E-05 | 4.85E-04 | 9.20E-05 | 1.00E-04 | 3.45E-05 | 2.60E-04 | 6.42E-04 | 1.25E-02 | 5.86E-01 | 3.56E-04 |
| MUSCLE* | G | 4.08E-04 | 4.72E-04 | 3.76E-04 | 4.12E-04 | 3.94E-04 | 4.50E-04 | 3.83E-04 | 3.00E-04 | 3.56E-04 | 3.56E-04 | 4.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.12E-04 |
| | T | 4.08E-04 | 4.72E-04 | 3.76E-04 | 4.12E-04 | 3.94E-04 | 4.50E-04 | 3.83E-04 | 3.00E-04 | 3.56E-04 | 3.56E-04 | 7.18E-04 |
| OVARIES | G | 1.43E-04 | 1.47E-03 | 2.46E-04 | 2.49E-03 | 2.77E-03 | 4.32E-03 | 3.61E-04 | 1.17E-04 | 4.35E-05 | 4.35E-05 | 5.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.43E-04 | 1.47E-03 | 2.46E-04 | 2.49E-03 | 2.77E-03 | 4.32E-03 | 3.61E-04 | 1.17E-04 | 4.35E-05 | 4.35E-05 | 5.28E-04 |

55-CESIUM-134 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.27E-03 | 7.41E-05 | 4.51E-03 | 5.45E-04 | 5.09E-04 | 1.99E-04 | 1.78E-03 | 1.21E-03 | 6.79E-04 | 6.79E-04 | 4.75E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.27E-03 | 7.41E-05 | 4.51E-03 | 5.45E-04 | 5.09E-04 | 1.99E-04 | 1.78E-03 | 1.21E-03 | 6.79E-04 | 6.79E-04 | 4.75E-04 |
| SKELETON BONE | G | 3.61E-04 | 1.52E-04 | 1.59E-04 | 2.08E-04 | 1.88E-04 | 2.73E-04 | 2.59E-04 | 1.93E-04 | 2.64E-04 | 2.64E-04 | 2.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.61E-04 | 1.52E-04 | 1.59E-04 | 2.08E-04 | 1.88E-04 | 2.73E-04 | 2.59E-04 | 1.93E-04 | 2.64E-04 | 2.64E-04 | 2.98E-04 |
| R MARROW | G | 6.43E-04 | 3.23E-04 | 2.71E-04 | 6.52E-04 | 5.55E-04 | 8.15E-04 | 6.53E-04 | 2.78E-04 | 3.33E-04 | 3.33E-04 | 3.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.43E-04 | 3.23E-04 | 2.71E-04 | 6.52E-04 | 5.55E-04 | 8.15E-04 | 6.53E-04 | 2.78E-04 | 3.33E-04 | 3.33E-04 | 3.59E-04 |
| Y MARROW | G | 3.50E-04 | 1.40E-04 | 2.20E-04 | 2.87E-04 | 2.67E-04 | 3.37E-04 | 3.22E-04 | 2.85E-04 | 2.78E-04 | 2.78E-04 | 2.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.50E-04 | 1.40E-04 | 2.20E-04 | 2.87E-04 | 2.67E-04 | 3.37E-04 | 3.22E-04 | 2.85E-04 | 2.78E-04 | 2.78E-04 | 2.94E-04 |
| T E CL | G | 3.61E-04 | 1.52E-04 | 1.59E-04 | 2.08E-04 | 1.88E-04 | 2.73E-04 | 2.59E-04 | 1.93E-04 | 2.64E-04 | 2.64E-04 | 2.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.61E-04 | 1.52E-04 | 1.59E-04 | 2.08E-04 | 1.88E-04 | 2.73E-04 | 2.59E-04 | 1.93E-04 | 2.64E-04 | 2.64E-04 | 2.98E-04 |
| SKIN | G | 1.89E-04 | 1.81E-04 | 1.63E-04 | 1.49E-04 | 1.51E-04 | 1.62E-04 | 1.80E-04 | 1.65E-04 | 1.85E-04 | 1.85E-04 | 2.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.89E-04 | 1.81E-04 | 1.63E-04 | 1.49E-04 | 1.51E-04 | 1.62E-04 | 1.80E-04 | 1.65E-04 | 1.85E-04 | 1.85E-04 | 2.49E-04 |
| SPLEEN | G | 1.66E-03 | 6.41E-05 | 2.51E-03 | 4.18E-04 | 3.46E-04 | 2.67E-04 | 2.20E-03 | 2.84E-04 | 5.72E-04 | 5.72E-04 | 3.93E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.66E-03 | 6.41E-05 | 2.51E-03 | 4.18E-04 | 3.46E-04 | 2.67E-04 | 2.20E-03 | 2.84E-04 | 5.72E-04 | 5.72E-04 | 3.93E-04 |
| TESTES | G | 2.14E-05 | 1.32E-03 | 2.32E-05 | 1.18E-04 | 1.44E-04 | 4.89E-04 | 4.32E-05 | 4.67E-05 | 8.01E-06 | 8.01E-06 | 3.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.14E-05 | 1.32E-03 | 2.32E-05 | 1.18E-04 | 1.44E-04 | 4.89E-04 | 4.32E-05 | 4.67E-05 | 8.01E-06 | 8.01E-06 | 3.33E-04 |
| THYMUS | G | 2.18E-04 | 1.03E-05 | 1.32E-04 | 4.02E-05 | 4.37E-05 | 1.77E-05 | 7.50E-05 | 2.96E-04 | 1.04E-03 | 1.04E-03 | 4.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.18E-04 | 1.03E-05 | 1.32E-04 | 4.02E-05 | 4.37E-05 | 1.77E-05 | 7.50E-05 | 2.96E-04 | 1.04E-03 | 1.04E-03 | 4.16E-04 |
| THYROID | G | 5.62E-05 | 3.46E-06 | 4.37E-05 | 1.26E-05 | 1.34E-05 | 6.06E-06 | 2.81E-05 | 5.19E-05 | 3.43E-04 | 3.43E-04 | 3.67E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.62E-05 | 3.46E-06 | 4.37E-05 | 1.26E-05 | 1.34E-05 | 6.06E-06 | 2.81E-05 | 5.19E-05 | 3.43E-04 | 3.43E-04 | 3.67E-04 |
| UTERUS | G | 1.16E-04 | 3.90E-03 | 2.49E-04 | 2.27E-03 | 1.22E-03 | 1.48E-03 | 2.26E-04 | 1.14E-04 | 2.99E-05 | 2.99E-05 | 5.89E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-04 | 3.90E-03 | 2.49E-04 | 2.27E-03 | 1.22E-03 | 1.48E-03 | 2.26E-04 | 1.14E-04 | 2.99E-05 | 2.99E-05 | 5.89E-04 |
| T BODY | G | 4.48E-04 | 4.95E-04 | 4.72E-04 | 5.18E-04 | 5.07E-04 | 5.03E-04 | 4.51E-04 | 4.52E-04 | 3.85E-04 | 3.85E-04 | 3.86E-04 |
| | B | 1.25E-04 | 1.40E-05 | 3.74E-05 | 9.98E-05 | 5.95E-05 | 7.39E-05 | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 |
| | T | 5.72E-04 | 5.09E-04 | 5.09E-04 | 6.18E-04 | 5.67E-04 | 5.77E-04 | 5.76E-04 | 5.77E-04 | 5.09E-04 | 5.09E-04 | 5.11E-04 |

CONTINUED NEXT PAGE

55-CESIUM-134 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.58E-04 | 2.05E-03 | 4.77E-04 | 4.77E-04 | 6.01E-04 | 2.30E-04 | 1.98E-04 | 1.73E-03 | 2.14E-05 | 5.60E-05 | 5.64E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 1.58E-04 | 2.05E-03 | 4.77E-04 | 4.77E-04 | 6.01E-04 | 2.30E-04 | 1.98E-04 | 1.73E-03 | 2.14E-05 | 5.60E-05 | 6.89E-04 |
| BLAD WALL | G | 1.81E-03 | 4.60E-05 | 1.53E-04 | 1.53E-04 | 2.34E-04 | 7.70E-05 | 1.88E-04 | 6.24E-05 | 1.38E-03 | 3.48E-06 | 5.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 1.81E-03 | 4.60E-05 | 1.53E-04 | 1.53E-04 | 2.34E-04 | 7.70E-05 | 1.88E-04 | 6.24E-05 | 1.38E-03 | 3.48E-06 | 6.36E-04 |
| GI TRACT S WALL | G | 2.17E-04 | 4.48E-03 | 1.52E-04 | 1.52E-04 | 2.89E-04 | 2.01E-04 | 1.77E-04 | 2.54E-03 | 2.80E-05 | 3.62E-05 | 4.62E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 2.17E-04 | 4.48E-03 | 1.52E-04 | 1.52E-04 | 2.89E-04 | 2.01E-04 | 1.77E-04 | 2.54E-03 | 2.80E-05 | 3.62E-05 | 5.87E-04 |
| SI+CONT | G | 3.06E-03 | 4.75E-04 | 2.20E-04 | 2.20E-04 | 7.05E-04 | 2.78E-04 | 1.55E-04 | 3.72E-04 | 1.45E-04 | 5.94E-06 | 5.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 3.06E-03 | 4.75E-04 | 2.20E-04 | 2.20E-04 | 7.05E-04 | 2.78E-04 | 1.55E-04 | 3.72E-04 | 1.45E-04 | 5.94E-06 | 6.48E-04 |
| ULI WALL | G | 2.87E-03 | 5.80E-04 | 1.97E-04 | 1.97E-04 | 5.29E-04 | 2.30E-04 | 1.66E-04 | 3.74E-04 | 9.71E-05 | 6.99E-06 | 5.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 2.87E-03 | 5.80E-04 | 1.97E-04 | 1.97E-04 | 5.29E-04 | 2.30E-04 | 1.66E-04 | 3.74E-04 | 9.71E-05 | 6.99E-06 | 6.34E-04 |
| LLI WALL | G | 3.66E-03 | 1.48E-04 | 2.68E-04 | 2.68E-04 | 8.07E-04 | 2.20E-04 | 1.70E-04 | 1.80E-04 | 6.94E-04 | 5.16E-06 | 5.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 3.66E-03 | 1.48E-04 | 2.68E-04 | 2.68E-04 | 8.07E-04 | 2.20E-04 | 1.70E-04 | 1.80E-04 | 6.94E-04 | 5.16E-06 | 6.51E-04 |
| KIDNEYS | G | 3.01E-04 | 1.63E-03 | 2.77E-04 | 2.77E-04 | 6.33E-04 | 3.21E-04 | 2.05E-04 | 2.21E-03 | 3.33E-05 | 2.21E-05 | 4.74E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 3.01E-04 | 1.63E-03 | 2.77E-04 | 2.77E-04 | 6.33E-04 | 3.21E-04 | 2.05E-04 | 2.21E-03 | 3.33E-05 | 2.21E-05 | 5.99E-04 |
| LIVER | G | 1.70E-04 | 1.08E-03 | 1.92E-04 | 1.92E-04 | 2.71E-04 | 2.95E-04 | 1.83E-04 | 2.88E-04 | 2.05E-05 | 4.73E-05 | 4.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 1.70E-04 | 1.08E-03 | 1.92E-04 | 1.92E-04 | 2.71E-04 | 2.95E-04 | 1.83E-04 | 2.88E-04 | 2.05E-05 | 4.73E-05 | 5.96E-04 |
| LUNGS | G | 3.61E-05 | 6.24E-04 | 2.65E-04 | 2.65E-04 | 3.24E-04 | 2.72E-04 | 1.87E-04 | 5.75E-04 | 5.80E-06 | 2.96E-04 | 3.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 3.61E-05 | 6.24E-04 | 2.65E-04 | 2.65E-04 | 3.24E-04 | 2.72E-04 | 1.87E-04 | 5.75E-04 | 5.80E-06 | 2.96E-04 | 5.23E-04 |
| RESP LYM NODE | G | 3.61E-05 | 6.24E-04 | 2.65E-04 | 2.65E-04 | 3.24E-04 | 2.72E-04 | 1.87E-04 | 5.75E-04 | 5.80E-06 | 2.96E-04 | 3.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 3.61E-05 | 6.24E-04 | 2.65E-04 | 2.65E-04 | 3.24E-04 | 2.72E-04 | 1.87E-04 | 5.75E-04 | 5.80E-06 | 2.96E-04 | 5.23E-04 |
| MUSCLE* | G | 5.28E-04 | 4.75E-04 | 2.98E-04 | 2.98E-04 | 3.50E-04 | 2.77E-04 | 2.49E-04 | 3.93E-04 | 3.33E-04 | 3.67E-04 | 3.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 5.28E-04 | 4.75E-04 | 2.98E-04 | 2.98E-04 | 3.50E-04 | 2.77E-04 | 2.49E-04 | 3.93E-04 | 3.33E-04 | 3.67E-04 | 5.11E-04 |
| OVARIES | G | 2.01E-01 | 1.75E-04 | 2.77E-04 | 2.77E-04 | 8.59E-04 | 2.37E-04 | 1.18E-04 | 2.26E-04 | 5.34E-48 | 6.14E-06 | 4.13E-04 |
| | B | 7.94E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 9.95E-01 | 1.75E-04 | 2.77E-04 | 2.77E-04 | 8.59E-04 | 2.37E-04 | 1.18E-04 | 2.26E-04 | 5.34E-48 | 6.14E-06 | 5.38E-04 |

55-CESIUM-134 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.91E-04 | 5.59E-02 | 2.54E-04 | 2.54E-04 | 3.95E-04 | 3.18E-04 | 1.47E-04 | 5.00E-03 | 1.83E-05 | 1.99E-05 | 4.50E-04 |
| | B | 0.0 | 8.73E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 1.91E-04 | 1.43E-01 | 2.54E-04 | 2.54E-04 | 3.95E-04 | 3.18E-04 | 1.47E-04 | 5.00E-03 | 1.83E-05 | 1.99E-05 | 5.74E-04 |
| SKELETON BONE | G | 2.42E-04 | 2.41E-04 | 9.18E-04 | 9.18E-04 | 6.12E-04 | 6.81E-04 | 2.29E-04 | 2.04E-04 | 1.76E-04 | 2.00E-04 | 3.93E-04 |
| | B | 0.0 | 0.0 | 1.75E-03 | 1.14E-03 | 4.01E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 2.42E-04 | 2.41E-04 | 2.66E-03 | 2.06E-03 | 1.01E-03 | 6.81E-04 | 2.29E-04 | 2.04E-04 | 1.76E-04 | 2.00E-04 | 5.18E-04 |
| R MARROW | G | 7.98E-04 | 4.52E-04 | 8.23E-04 | 8.23E-04 | 1.95E-03 | 7.06E-04 | 2.13E-04 | 3.00E-04 | 1.39E-04 | 2.18E-04 | 4.33E-04 |
| | B | 0.0 | 0.0 | 3.16E-05 | 2.01E-03 | 4.40E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 7.98E-04 | 4.52E-04 | 8.54E-04 | 2.83E-03 | 6.35E-03 | 7.06E-04 | 2.13E-04 | 3.00E-04 | 1.39E-04 | 2.18E-04 | 5.58E-04 |
| Y MARROW | G | 3.22E-04 | 2.83E-04 | 7.93E-04 | 7.93E-04 | 7.55E-04 | 1.16E-03 | 2.43E-04 | 3.06E-04 | 7.64E-05 | 1.07E-04 | 3.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.82E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 3.22E-04 | 2.83E-04 | 7.93E-04 | 7.93E-04 | 7.55E-04 | 6.98E-03 | 2.43E-04 | 3.06E-04 | 7.64E-05 | 1.07E-04 | 4.92E-04 |
| T E CL | G | 2.42E-04 | 2.41E-04 | 9.18E-04 | 9.18E-04 | 8.24E-04 | 7.52E-04 | 2.29E-04 | 2.04E-04 | 1.76E-04 | 2.00E-04 | 3.93E-04 |
| | B | 0.0 | 0.0 | 1.08E-03 | 1.97E-03 | 1.59E-03 | 1.46E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 2.42E-04 | 2.41E-04 | 2.00E-03 | 2.89E-03 | 2.42E-03 | 2.21E-03 | 2.29E-04 | 2.04E-04 | 1.76E-04 | 2.00E-04 | 5.18E-04 |
| SKIN | G | 1.47E-04 | 1.43E-04 | 2.34E-04 | 2.34E-04 | 2.02E-04 | 2.60E-04 | 5.50E-04 | 1.72E-04 | 4.24E-04 | 2.39E-04 | 2.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.36E-03 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 1.47E-04 | 1.43E-04 | 2.34E-04 | 2.34E-04 | 2.02E-04 | 2.60E-04 | 3.91E-03 | 1.72E-04 | 4.24E-04 | 2.39E-04 | 3.72E-04 |
| SPLEEN | G | 1.78E-04 | 4.95E-03 | 2.30E-04 | 2.30E-04 | 2.45E-04 | 2.80E-04 | 1.92E-04 | 3.43E-02 | 2.79E-05 | 4.43E-05 | 4.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.85E-02 | 0.0 | 0.0 | 1.25E-04 |
| | T | 1.78E-04 | 4.95E-03 | 2.30E-04 | 2.30E-04 | 2.45E-04 | 2.80E-04 | 1.92E-04 | 8.28E-02 | 2.79E-05 | 4.43E-05 | 5.97E-04 |
| TESTES | G | 5.34E-48 | 2.44E-05 | 1.66E-04 | 1.66E-04 | 1.15E-04 | 2.54E-04 | 2.35E-04 | 2.82E-05 | 9.49E-02 | 1.39E-06 | 4.87E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.49E-01 | 0.0 | 1.25E-04 |
| | T | 5.34E-48 | 2.44E-05 | 1.66E-04 | 1.66E-04 | 1.15E-04 | 2.54E-04 | 2.35E-04 | 2.82E-05 | 3.44E-01 | 1.39E-06 | 6.12E-04 |
| THYMUS | G | 1.87E-05 | 1.44E-04 | 2.13E-04 | 2.13E-04 | 1.49E-04 | 1.08E-04 | 2.17E-04 | 1.53E-04 | 3.96E-06 | 1.11E-03 | 3.81E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 1.87E-05 | 1.44E-04 | 2.13E-04 | 2.13E-04 | 1.49E-04 | 1.08E-04 | 2.17E-04 | 1.53E-04 | 3.96E-06 | 1.11E-03 | 5.06E-04 |
| THYROID | G | 6.14E-06 | 3.39E-05 | 2.34E-04 | 2.34E-04 | 2.48E-04 | 1.29E-04 | 2.13E-04 | 4.25E-05 | 1.39E-06 | 1.28E-01 | 4.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.37E-01 | 1.25E-04 |
| | T | 6.14E-06 | 3.39E-05 | 2.34E-04 | 2.34E-04 | 2.48E-04 | 1.29E-04 | 2.13E-04 | 4.25E-05 | 1.39E-06 | 5.64E-01 | 5.24E-04 |
| UTERUS | G | 4.61E-03 | 1.66E-04 | 1.94E-04 | 1.94E-04 | 4.75E-04 | 1.79E-04 | 1.76E-04 | 1.41E-04 | 5.34E-48 | 5.85E-06 | 5.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25E-04 |
| | T | 4.61E-03 | 1.66E-04 | 1.94E-04 | 1.94E-04 | 4.75E-04 | 1.79E-04 | 1.76E-04 | 1.41E-04 | 5.34E-48 | 5.85E-06 | 6.62E-04 |
| T BODY | G | 5.28E-04 | 5.17E-04 | 3.83E-04 | 3.83E-04 | 4.25E-04 | 3.43E-04 | 2.50E-04 | 4.49E-04 | 3.82E-04 | 3.49E-04 | 3.86E-04 |
| | B | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 | 1.25E-04 |
| | T | 6.53E-04 | 6.42E-04 | 5.08E-04 | 5.08E-04 | 5.49E-04 | 4.68E-04 | 3.75E-04 | 5.74E-04 | 5.07E-04 | 4.73E-04 | 5.10E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NAGPAL, T. S., CAN. J. PHYS. 46, 2579 (1968)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 55-CESIUM-135 (TR=3.000E 06 YEARS)

DATE OF TABLE 04-02-75

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | B | 2.52E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.52E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BLAD WALL | B | 0.0 | 8.81E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 8.81E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 7.05E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 7.05E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 4.40E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 4.40E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 8.01E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 8.01E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-03 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-03 | 0.0 | 0.0 | 0.0 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.52E-03 | 3.52E-03 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.52E-03 | 3.52E-03 | 0.0 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.52E-03 | 2.35E-01 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.52E-03 | 2.35E-01 | 0.0 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E-04 |
| OVARIES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

55-CESIUM-135 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKELETON BONE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T E CL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T BODY | B | 5.03E-05 | 5.66E-06 | 1.51E-05 | 4.03E-05 | 2.40E-05 | 2.98E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 |
| | T | 5.03E-05 | 5.66E-06 | 1.51E-05 | 4.03E-05 | 2.40E-05 | 2.98E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 |

CONTINUED NEXT PAGE

55-CESIUM-135 CONTINUED

S O U R C E  O R G A N S

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| BLAD WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| OVARIES | B | 3.20E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 3.20E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |

55-CESIUM-135 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | B | 0.0 | 3.52E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 3.52E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| SKELETON BONE | B | 0.0 | 0.0 | 7.05E-04 | 6.02E-04 | 6.87E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 7.05E-04 | 6.02E-04 | 6.87E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| R MARROW | B | 0.0 | 0.0 | 2.59E-06 | 3.43E-04 | 2.11E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 2.59E-06 | 3.43E-04 | 2.11E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.35E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.35E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| T E CL | B | 0.0 | 0.0 | 3.78E-04 | 7.94E-04 | 6.45E-04 | 5.87E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 3.78E-04 | 7.94E-04 | 6.45E-04 | 5.87E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36E-03 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36E-03 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-02 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96E-02 | 0.0 | 0.0 | 5.03E-05 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.01E-01 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.01E-01 | 0.0 | 5.03E-05 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.76E-01 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.76E-01 | 5.03E-05 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03E-05 |
| T BODY | B | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 |
| | T | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 | 5.03E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-SEPTEMBER 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 55-CESIUM-136 (TR=1.290E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.65E-01 | 8.88E-05 | 8.30E-04 | 4.37E-04 | 4.24E-04 | 1.78E-04 | 4.36E-03 | 1.72E-03 | 8.47E-04 | 8.47E-04 | 5.49E-04 |
| | B | 5.12E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.77E-01 | 8.88E-05 | 8.30E-04 | 4.37E-04 | 4.24E-04 | 1.78E-04 | 4.36E-03 | 1.72E-03 | 8.47E-04 | 8.47E-04 | 5.49E-04 |
| BLAD WALL | G | 8.05E-05 | 2.51E-02 | 1.69E-04 | 8.96E-04 | 7.41E-04 | 1.93E-03 | 1.62E-04 | 7.75E-05 | 3.15E-05 | 3.15E-05 | 6.33E-04 |
| | B | 0.0 | 1.79E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.05E-05 | 4.30E-02 | 1.69E-04 | 8.96E-04 | 7.41E-04 | 1.93E-03 | 1.62E-04 | 7.75E-05 | 3.15E-05 | 3.15E-05 | 6.33E-04 |
| GI TRACT S WALL | G | 1.05E-03 | 1.74E-04 | 1.83E-02 | 1.25E-03 | 1.27E-03 | 5.76E-04 | 1.17E-03 | 7.02E-04 | 6.91E-04 | 6.91E-04 | 5.07E-04 |
| | B | 0.0 | 0.0 | 1.43E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.05E-03 | 1.74E-04 | 3.27E-02 | 1.25E-03 | 1.27E-03 | 5.76E-04 | 1.17E-03 | 7.02E-04 | 6.91E-04 | 6.91E-04 | 5.07E-04 |
| SI+CONT | G | 3.44E-04 | 9.71E-04 | 9.09E-04 | 1.07E-02 | 5.66E-03 | 3.17E-03 | 9.99E-04 | 5.73E-04 | 1.12E-04 | 1.12E-04 | 5.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 8.97E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.44E-04 | 9.71E-04 | 9.09E-04 | 1.97E-02 | 5.66E-03 | 3.17E-03 | 9.99E-04 | 5.73E-04 | 1.12E-04 | 1.12E-04 | 5.53E-04 |
| ULI WALL | G | 3.93E-04 | 7.29E-04 | 1.13E-03 | 8.05E-03 | 1.53E-02 | 1.44E-03 | 1.02E-03 | 8.59E-04 | 1.45E-04 | 1.45E-04 | 5.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.63E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.93E-04 | 7.29E-04 | 1.13E-03 | 8.05E-03 | 3.16E-02 | 1.44E-03 | 1.02E-03 | 8.59E-04 | 1.45E-04 | 1.45E-04 | 5.85E-04 |
| LLI WALL | G | 1.00E-04 | 2.40E-03 | 4.90E-04 | 2.43E-03 | 1.15E-03 | 1.80E-02 | 3.19E-04 | 1.04E-04 | 3.32E-05 | 3.32E-05 | 6.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.66E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.00E-04 | 2.40E-03 | 4.90E-04 | 2.43E-03 | 1.15E-03 | 4.46E-02 | 3.19E-04 | 1.04E-04 | 3.32E-05 | 3.32E-05 | 6.06E-04 |
| KIDNEYS | G | 3.98E-03 | 1.34E-04 | 1.18E-03 | 1.12E-03 | 1.02E-03 | 3.32E-04 | 2.53E-02 | 1.32E-03 | 3.61E-04 | 3.61E-04 | 5.17E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.31E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.98E-03 | 1.34E-04 | 1.18E-03 | 1.12E-03 | 1.02E-03 | 3.32E-04 | 4.84E-02 | 1.32E-03 | 3.61E-04 | 3.61E-04 | 5.17E-04 |
| LIVER | G | 1.69E-03 | 1.07E-04 | 7.08E-04 | 6.66E-04 | 8.96E-04 | 1.38E-04 | 1.37E-03 | 8.99E-03 | 8.55E-04 | 8.55E-04 | 4.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.99E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.69E-03 | 1.07E-04 | 7.08E-04 | 6.66E-04 | 8.96E-04 | 1.38E-04 | 1.37E-03 | 1.30E-02 | 8.55E-04 | 8.55E-04 | 4.04E-04 |
| LUNGS | G | 8.53E-04 | 2.71E-05 | 6.38E-04 | 1.23E-04 | 1.43E-04 | 5.37E-05 | 3.53E-04 | 8.76E-04 | 5.10E-03 | 5.10E-03 | 4.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.17E-03 | 7.17E-03 | 0.0 |
| | T | 8.53E-04 | 2.71E-05 | 6.38E-04 | 1.23E-04 | 1.43E-04 | 5.37E-05 | 3.53E-04 | 8.76E-04 | 1.23E-02 | 1.23E-02 | 4.77E-04 |
| RESP LYM NODE | G | 8.53E-04 | 2.71E-05 | 6.38E-04 | 1.23E-04 | 1.43E-04 | 5.37E-05 | 3.53E-04 | 8.76E-04 | 5.10E-03 | 5.10E-03 | 4.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.12E-03 | 4.78E-01 | 0.0 |
| | T | 8.53E-04 | 2.71E-05 | 6.38E-04 | 1.23E-04 | 1.43E-04 | 5.37E-05 | 3.53E-04 | 8.76E-04 | 1.22E-02 | 4.83E-01 | 4.77E-04 |
| MUSCLE* | G | 5.49E-04 | 6.33E-04 | 5.07E-04 | 5.53E-04 | 5.30E-04 | 6.06E-04 | 5.17E-04 | 4.04E-04 | 4.77E-04 | 4.77E-04 | 5.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.56E-04 |
| | T | 5.49E-04 | 6.33E-04 | 5.07E-04 | 5.53E-04 | 5.30E-04 | 6.06E-04 | 5.17E-04 | 4.04E-04 | 4.77E-04 | 4.77E-04 | 8.02E-04 |
| OVARIES | G | 1.85E-04 | 1.85E-03 | 4.37E-04 | 3.55E-03 | 3.04E-03 | 6.07E-03 | 5.36E-04 | 2.38E-04 | 6.02E-05 | 6.02E-05 | 7.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.85E-04 | 1.85E-03 | 4.37E-04 | 3.55E-03 | 3.04E-03 | 6.07E-03 | 5.36E-04 | 2.38E-04 | 6.02E-05 | 6.02E-05 | 7.08E-04 |

55-CESIUM-136 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 3.09E-03 | 1.05E-04 | 5.96E-03 | 7.16E-04 | 7.40E-04 | 2.63E-04 | 2.42E-03 | 1.52E-03 | 8.44E-04 | 8.44E-04 | 6.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.09E-03 | 1.05E-04 | 5.96E-03 | 7.16E-04 | 7.40E-04 | 2.63E-04 | 2.42E-03 | 1.52E-03 | 8.44E-04 | 8.44E-04 | 6.36E-04 |
| SKELETON BONE | G | 4.96E-04 | 2.07E-04 | 2.17E-04 | 2.89E-04 | 2.57E-04 | 3.75E-04 | 3.55E-04 | 2.65E-04 | 3.61E-04 | 3.61E-04 | 4.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.96E-04 | 2.07E-04 | 2.17E-04 | 2.89E-04 | 2.57E-04 | 3.75E-04 | 3.55E-04 | 2.65E-04 | 3.61E-04 | 3.61E-04 | 4.01E-04 |
| R MARROW | G | 8.81E-04 | 4.40E-04 | 3.67E-04 | 9.02E-04 | 7.57E-04 | 1.12E-03 | 8.94E-04 | 3.76E-04 | 4.57E-04 | 4.57E-04 | 4.88E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.81E-04 | 4.40E-04 | 3.67E-04 | 9.02E-04 | 7.57E-04 | 1.12E-03 | 8.94E-04 | 3.76E-04 | 4.57E-04 | 4.57E-04 | 4.88E-04 |
| Y MARROW | G | 4.82E-04 | 1.92E-04 | 3.01E-04 | 3.98E-04 | 3.65E-04 | 4.61E-04 | 4.39E-04 | 3.94E-04 | 3.80E-04 | 3.80E-04 | 3.97E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.82E-04 | 1.92E-04 | 3.01E-04 | 3.98E-04 | 3.65E-04 | 4.61E-04 | 4.39E-04 | 3.94E-04 | 3.80E-04 | 3.80E-04 | 3.97E-04 |
| T E CL | G | 4.96E-04 | 2.07E-04 | 2.17E-04 | 2.89E-04 | 2.57E-04 | 3.75E-04 | 3.55E-04 | 2.65E-04 | 3.61E-04 | 3.61E-04 | 4.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.96E-04 | 2.07E-04 | 2.17E-04 | 2.89E-04 | 2.57E-04 | 3.75E-04 | 3.55E-04 | 2.65E-04 | 3.61E-04 | 3.61E-04 | 4.01E-04 |
| SKIN | G | 2.60E-04 | 2.49E-04 | 2.20E-04 | 2.06E-04 | 2.02E-04 | 2.23E-04 | 2.42E-04 | 2.24E-04 | 2.49E-04 | 2.49E-04 | 3.38E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.60E-04 | 2.49E-04 | 2.20E-04 | 2.06E-04 | 2.02E-04 | 2.23E-04 | 2.42E-04 | 2.24E-04 | 2.49E-04 | 2.49E-04 | 3.38E-04 |
| SPLEEN | G | 2.19E-03 | 9.00E-05 | 3.38E-03 | 5.63E-04 | 4.95E-04 | 3.69E-04 | 2.98E-03 | 3.94E-04 | 7.75E-04 | 7.75E-04 | 5.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.19E-03 | 9.00E-05 | 3.38E-03 | 5.63E-04 | 4.95E-04 | 3.69E-04 | 2.98E-03 | 3.94E-04 | 7.75E-04 | 7.75E-04 | 5.29E-04 |
| TESTES | G | 3.07E-05 | 1.72E-03 | 4.99E-05 | 1.81E-04 | 1.92E-04 | 5.92E-04 | 6.01E-05 | 7.67E-05 | 1.20E-05 | 1.20E-05 | 4.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.07E-05 | 1.72E-03 | 4.99E-05 | 1.81E-04 | 1.92E-04 | 5.92E-04 | 6.01E-05 | 7.67E-05 | 1.20E-05 | 1.20E-05 | 4.48E-04 |
| THYMUS | G | 2.39E-04 | 1.53E-05 | 2.49E-04 | 5.60E-05 | 6.07E-05 | 2.55E-05 | 6.36E-05 | 3.11E-04 | 1.48E-03 | 1.48E-03 | 5.76E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.39E-04 | 1.53E-05 | 2.49E-04 | 5.60E-05 | 6.07E-05 | 2.55E-05 | 6.36E-05 | 3.11E-04 | 1.48E-03 | 1.48E-03 | 5.76E-04 |
| THYROID | G | 7.82E-05 | 5.49E-06 | 6.07E-05 | 1.85E-05 | 1.96E-05 | 9.21E-06 | 3.97E-05 | 7.36E-05 | 4.63E-04 | 4.63E-04 | 4.91E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.82E-05 | 5.49E-06 | 6.07E-05 | 1.85E-05 | 1.96E-05 | 9.21E-06 | 3.97E-05 | 7.36E-05 | 4.63E-04 | 4.63E-04 | 4.91E-04 |
| UTERUS | G | 2.23E-04 | 5.20E-03 | 3.45E-04 | 3.04E-03 | 1.69E-03 | 2.04E-03 | 3.20E-04 | 1.53E-04 | 4.72E-05 | 4.72E-05 | 8.84E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.23E-04 | 5.20E-03 | 3.45E-04 | 3.04E-03 | 1.69E-03 | 2.04E-03 | 3.20E-04 | 1.53E-04 | 4.72E-05 | 4.72E-05 | 8.84E-04 |
| T BODY | G | 6.03E-04 | 6.64E-04 | 6.35E-04 | 6.97E-04 | 6.83E-04 | 6.77E-04 | 6.07E-04 | 6.08E-04 | 5.17E-04 | 5.17E-04 | 5.20E-04 |
| | B | 1.02E-04 | 1.15E-05 | 3.07E-05 | 8.20E-05 | 4.89E-05 | 6.07E-05 | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 |
| | T | 7.06E-04 | 6.75E-04 | 6.65E-04 | 7.79E-04 | 7.32E-04 | 7.38E-04 | 7.09E-04 | 7.10E-04 | 6.20E-04 | 6.20E-04 | 6.22E-04 |

CONTINUED NEXT PAGE

55-CESIUM-136 CONTINUED

S O U R C E  O R G A N S

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.00E-04 | 2.58E-03 | 6.54E-04 | 6.54E-04 | 9.74E-04 | 2.73E-04 | 2.95E-04 | 2.47E-03 | 3.07E-05 | 7.72E-05 | 7.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 2.00E-04 | 2.58E-03 | 6.54E-04 | 6.54E-04 | 9.74E-04 | 2.73E-04 | 2.95E-04 | 2.47E-03 | 3.07E-05 | 7.72E-05 | 8.16E-04 |
| BLAD WALL | G | 2.48E-03 | 5.66E-05 | 1.82E-04 | 1.82E-04 | 3.77E-04 | 1.18E-04 | 2.73E-04 | 1.11E-04 | 1.86E-03 | 5.52E-06 | 7.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 2.48E-03 | 5.66E-05 | 1.82E-04 | 1.82E-04 | 3.77E-04 | 1.18E-04 | 2.73E-04 | 1.11E-04 | 1.86E-03 | 5.52E-06 | 8.15E-04 |
| GI TRACT S WALL | G | 2.88E-04 | 6.04E-03 | 2.01E-04 | 2.01E-04 | 4.16E-04 | 2.74E-04 | 2.39E-04 | 3.35E-03 | 3.25E-05 | 4.90E-05 | 6.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 2.88E-04 | 6.04E-03 | 2.01E-04 | 2.01E-04 | 4.16E-04 | 2.74E-04 | 2.39E-04 | 3.35E-03 | 3.25E-05 | 4.90E-05 | 7.09E-04 |
| SI+CONT | G | 4.03E-03 | 6.48E-04 | 2.98E-04 | 2.98E-04 | 9.29E-04 | 3.71E-04 | 2.13E-04 | 5.06E-04 | 1.92E-04 | 1.26E-05 | 7.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 4.03E-03 | 6.48E-04 | 2.98E-04 | 2.98E-04 | 9.29E-04 | 3.71E-04 | 2.13E-04 | 5.06E-04 | 1.92E-04 | 1.26E-05 | 8.02E-04 |
| ULI WALL | G | 3.80E-03 | 7.87E-04 | 2.77E-04 | 2.77E-04 | 6.90E-04 | 3.18E-04 | 2.30E-04 | 5.03E-04 | 1.43E-04 | 1.41E-05 | 6.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 3.80E-03 | 7.87E-04 | 2.77E-04 | 2.77E-04 | 6.90E-04 | 3.18E-04 | 2.30E-04 | 5.03E-04 | 1.43E-04 | 1.41E-05 | 7.70E-04 |
| LLI WALL | G | 4.83E-03 | 2.08E-04 | 3.80E-04 | 3.80E-04 | 1.06E-03 | 3.02E-04 | 2.34E-04 | 2.33E-04 | 8.69E-04 | 7.93E-06 | 6.97E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 4.83E-03 | 2.08E-04 | 3.80E-04 | 3.80E-04 | 1.06E-03 | 3.02E-04 | 2.34E-04 | 2.33E-04 | 8.69E-04 | 7.93E-06 | 8.00E-04 |
| KIDNEYS | G | 3.95E-04 | 2.17E-03 | 4.05E-04 | 4.05E-04 | 8.52E-04 | 4.23E-04 | 2.78E-04 | 2.94E-03 | 5.00E-05 | 3.95E-05 | 6.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 3.95E-04 | 2.17E-03 | 4.05E-04 | 4.05E-04 | 8.52E-04 | 4.23E-04 | 2.78E-04 | 2.94E-03 | 5.00E-05 | 3.95E-05 | 7.41E-04 |
| LIVER | G | 2.34E-04 | 1.45E-03 | 2.61E-04 | 2.61E-04 | 3.63E-04 | 3.97E-04 | 2.44E-04 | 3.87E-04 | 3.43E-05 | 6.76E-05 | 6.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 2.34E-04 | 1.45E-03 | 2.61E-04 | 2.61E-04 | 3.63E-04 | 3.97E-04 | 2.44E-04 | 3.87E-04 | 3.43E-05 | 6.76E-05 | 7.40E-04 |
| LUNGS | G | 5.35E-05 | 8.32E-04 | 3.59E-04 | 3.59E-04 | 4.40E-04 | 3.71E-04 | 2.56E-04 | 7.66E-04 | 1.00E-05 | 4.05E-04 | 5.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 5.35E-05 | 8.32E-04 | 3.59E-04 | 3.59E-04 | 4.40E-04 | 3.71E-04 | 2.56E-04 | 7.66E-04 | 1.00E-05 | 4.05E-04 | 6.16E-04 |
| RESP LYM NODE | G | 5.35E-05 | 8.32E-04 | 3.59E-04 | 3.59E-04 | 4.40E-04 | 3.71E-04 | 2.56E-04 | 7.66E-04 | 1.00E-05 | 4.05E-04 | 5.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 5.35E-05 | 8.32E-04 | 3.59E-04 | 3.59E-04 | 4.40E-04 | 3.71E-04 | 2.56E-04 | 7.66E-04 | 1.00E-05 | 4.05E-04 | 6.16E-04 |
| MUSCLE* | G | 7.08E-04 | 6.36E-04 | 4.01E-04 | 4.01E-04 | 4.71E-04 | 3.69E-04 | 3.38E-04 | 5.29E-04 | 4.48E-04 | 4.91E-04 | 5.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 7.08E-04 | 6.36E-04 | 4.01E-04 | 4.01E-04 | 4.71E-04 | 3.69E-04 | 3.38E-04 | 5.29E-04 | 4.48E-04 | 4.91E-04 | 6.22E-04 |
| OVARIES | G | 2.68E-01 | 3.07E-04 | 3.46E-04 | 3.46E-04 | 1.03E-03 | 3.49E-04 | 2.01E-04 | 2.30E-04 | 1.23E-46 | 9.41E-06 | 5.34E-04 |
| | B | 6.52E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 9.21E-01 | 3.07E-04 | 3.46E-04 | 3.46E-04 | 1.03E-03 | 3.49E-04 | 2.01E-04 | 2.30E-04 | 1.23E-46 | 9.41E-06 | 6.36E-04 |

55-CESIUM-136 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.94E-04 | 7.47E-02 | 3.62E-04 | 3.62E-04 | 4.64E-04 | 3.92E-04 | 1.89E-04 | 6.53E-03 | 3.47E-05 | 3.59E-05 | 6.06E-04 |
| | B | 0.0 | 7.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 2.94E-04 | 1.46E-01 | 3.62E-04 | 3.62E-04 | 4.64E-04 | 3.92E-04 | 1.89E-04 | 6.53E-03 | 3.47E-05 | 3.59E-05 | 7.08E-04 |
| SKELETON BONE | G | 3.34E-04 | 3.31E-04 | 1.25E-03 | 1.25E-03 | 8.31E-04 | 9.29E-04 | 3.15E-04 | 2.82E-04 | 2.42E-04 | 2.71E-04 | 5.33E-04 |
| | B | 0.0 | 0.0 | 1.43E-03 | 1.10E-03 | 2.23E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 3.34E-04 | 3.31E-04 | 2.69E-03 | 2.35E-03 | 1.05E-03 | 9.29E-04 | 3.15E-04 | 2.82E-04 | 2.42E-04 | 2.71E-04 | 6.35E-04 |
| R MARROW | G | 1.10E-03 | 6.19E-04 | 1.13E-03 | 1.13E-03 | 2.65E-03 | 9.58E-04 | 2.93E-04 | 4.14E-04 | 1.90E-04 | 2.94E-04 | 5.90E-04 |
| | B | 0.0 | 0.0 | 1.56E-05 | 1.11E-03 | 4.00E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 1.10E-03 | 6.19E-04 | 1.15E-03 | 2.25E-03 | 6.64E-03 | 9.58E-04 | 2.93E-04 | 4.14E-04 | 1.90E-04 | 2.94E-04 | 6.92E-04 |
| Y MARROW | G | 4.43E-04 | 3.89E-04 | 1.08E-03 | 1.08E-03 | 1.03E-03 | 1.58E-03 | 3.33E-04 | 4.20E-04 | 1.04E-04 | 1.46E-04 | 4.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.78E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 4.43E-04 | 3.89E-04 | 1.08E-03 | 1.08E-03 | 1.03E-03 | 6.36E-03 | 3.33E-04 | 4.20E-04 | 1.04E-04 | 1.46E-04 | 6.01E-04 |
| T E CL | G | 3.34E-04 | 3.31E-04 | 1.25E-03 | 1.25E-03 | 1.12E-03 | 1.03E-03 | 3.15E-04 | 2.82E-04 | 2.42E-04 | 2.71E-04 | 5.33E-04 |
| | B | 0.0 | 0.0 | 8.22E-04 | 1.63E-03 | 1.30E-03 | 1.20E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 3.34E-04 | 3.31E-04 | 2.07E-03 | 2.88E-03 | 2.42E-03 | 2.22E-03 | 3.15E-04 | 2.82E-04 | 2.42E-04 | 2.71E-04 | 6.35E-04 |
| SKIN | G | 2.01E-04 | 1.99E-04 | 3.12E-04 | 3.12E-04 | 2.72E-04 | 3.44E-04 | 7.46E-04 | 2.31E-04 | 5.68E-04 | 3.30E-04 | 3.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.76E-03 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 2.01E-04 | 1.99E-04 | 3.12E-04 | 3.12E-04 | 2.72E-04 | 3.44E-04 | 3.50E-03 | 2.31E-04 | 5.68E-04 | 3.30E-04 | 4.41E-04 |
| SPLEEN | G | 2.24E-04 | 6.52E-03 | 3.06E-04 | 3.06E-04 | 3.64E-04 | 4.02E-04 | 2.70E-04 | 4.56E-02 | 2.68E-05 | 6.94E-05 | 6.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.99E-02 | 0.0 | 0.0 | 1.02E-04 |
| | T | 2.24E-04 | 6.52E-03 | 3.06E-04 | 3.06E-04 | 3.64E-04 | 4.02E-04 | 2.70E-04 | 8.54E-02 | 2.68E-05 | 6.94E-05 | 7.30E-04 |
| TESTES | G | 1.23E-46 | 4.11E-05 | 2.40E-04 | 2.40E-04 | 1.47E-04 | 3.39E-04 | 3.39E-04 | 3.99E-05 | 1.27E-01 | 2.35E-06 | 6.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.05E-01 | 0.0 | 1.02E-04 |
| | T | 1.23E-46 | 4.11E-05 | 2.40E-04 | 2.40E-04 | 1.47E-04 | 3.39E-04 | 3.39E-04 | 3.99E-05 | 3.32E-01 | 2.35E-06 | 7.16E-04 |
| THYMUS | G | 2.69E-05 | 2.05E-04 | 2.81E-04 | 2.81E-04 | 2.47E-04 | 1.74E-04 | 2.70E-04 | 2.18E-04 | 6.24E-06 | 1.43E-03 | 5.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 2.69E-05 | 2.05E-04 | 2.81E-04 | 2.81E-04 | 2.47E-04 | 1.74E-04 | 2.70E-04 | 2.18E-04 | 6.24E-06 | 1.43E-03 | 6.26E-04 |
| THYROID | G | 9.41E-06 | 3.05E-05 | 2.54E-04 | 2.54E-04 | 3.30E-04 | 2.13E-04 | 2.73E-04 | 5.92E-05 | 2.35E-06 | 1.71E-01 | 5.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-01 | 1.02E-04 |
| | T | 9.41E-06 | 3.05E-05 | 2.54E-04 | 2.54E-04 | 3.30E-04 | 2.13E-04 | 2.73E-04 | 5.92E-05 | 2.35E-06 | 5.29E-01 | 6.47E-04 |
| UTERUS | G | 6.12E-03 | 2.21E-04 | 3.00E-04 | 3.00E-04 | 6.18E-04 | 2.37E-04 | 2.54E-04 | 1.98E-04 | 1.23E-46 | 8.99E-06 | 8.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-04 |
| | T | 6.12E-03 | 2.21E-04 | 3.00E-04 | 3.00E-04 | 6.18E-04 | 2.37E-04 | 2.54E-04 | 1.98E-04 | 1.23E-46 | 8.99E-06 | 9.02E-04 |
| T BODY | G | 7.09E-04 | 6.93E-04 | 5.19E-04 | 5.19E-04 | 5.73E-04 | 4.62E-04 | 3.39E-04 | 6.05E-04 | 5.15E-04 | 4.69E-04 | 5.20E-04 |
| | B | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 | 1.02E-04 |
| | T | 8.12E-04 | 7.96E-04 | 6.21E-04 | 6.21E-04 | 6.75E-04 | 5.64E-04 | 4.42E-04 | 7.07E-04 | 6.17E-04 | 5.72E-04 | 6.22E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-FUJIOKA, M. ET AL., NUCL. PHYS. A95, 577 (1967)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 55-CESIUM-137 (TR=3.000E 01 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | B | 6.89E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.89E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BLAD WALL | B | 0.0 | 2.41E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 2.41E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 1.93E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 1.93E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 1.21E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 1.21E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.11E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.11E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.36E-03 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.36E-03 | 0.0 | 0.0 | 0.0 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.64E-03 | 9.64E-03 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.64E-03 | 9.64E-03 | 0.0 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.64E-03 | 6.43E-01 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.64E-03 | 6.43E-01 | 0.0 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.44E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.44E-04 |
| OVARIES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

55-CESIUM-137 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKELETON BONE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T E CL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T BODY | B | 1.38E-04 | 1.55E-05 | 4.13E-05 | 1.10E-04 | 6.57E-05 | 8.16E-05 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 |
| | T | 1.38E-04 | 1.55E-05 | 4.13E-05 | 1.10E-04 | 6.57E-05 | 8.16E-05 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 |

CONTINUED NEXT PAGE

55-CESIUM-137 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| BLAD WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| OVARIES | B | 8.77E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 8.77E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |

55-CESIUM-137 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | B | 0.0 | 9.64E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 9.64E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| SKELETON BONE | B | 0.0 | 0.0 | 1.93E-03 | 1.30E-03 | 4.17E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 1.93E-03 | 1.30E-03 | 4.17E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| R MARROW | B | 0.0 | 0.0 | 3.22E-05 | 2.08E-03 | 4.95E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 3.22E-05 | 2.08E-03 | 4.95E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.43E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.43E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| T E CL | B | 0.0 | 0.0 | 1.19E-03 | 2.23E-03 | 1.73E-03 | 1.61E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 1.19E-03 | 2.23E-03 | 1.73E-03 | 1.61E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.71E-03 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.71E-03 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.36E-02 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.36E-02 | 0.0 | 0.0 | 1.38E-04 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.75E-01 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.75E-01 | 0.0 | 1.38E-04 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.82E-01 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.82E-01 | 1.38E-04 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-04 |
| T BODY | B | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 |
| | T | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 | 1.38E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-HANSEN, H. H. ET AL., Z. PHYSIK 218, 25 (1969)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT (REM) PER 1 UCI-DAY DATE OF TABLE 04-10-75
OF 55-CESIUM-137 (TR=3.000E 01 YEARS) AND 0.946 UCI-DAY OF 56-BARIUM-137M (TR=2.552E 00 MIN)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.56E-02 | 2.33E-05 | 2.08E-04 | 1.19E-04 | 1.06E-04 | 4.84E-05 | 1.22E-03 | 4.75E-04 | 2.36E-04 | 2.36E-04 | 1.50E-04 |
| | B | 9.13E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.59E-01 | 2.33E-05 | 2.08E-04 | 1.19E-04 | 1.06E-04 | 4.84E-05 | 1.22E-03 | 4.75E-04 | 2.36E-04 | 2.36E-04 | 1.50E-04 |
| BLAD WALL | G | 1.52E-05 | 7.16E-03 | 4.61E-05 | 2.93E-04 | 1.93E-04 | 5.31E-04 | 4.04E-05 | 2.89E-05 | 7.83E-06 | 7.83E-06 | 1.73E-04 |
| | B | 0.0 | 3.20E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.52E-05 | 3.91E-02 | 4.61E-05 | 2.93E-04 | 1.93E-04 | 5.31E-04 | 4.04E-05 | 2.89E-05 | 7.83E-06 | 7.83E-06 | 1.73E-04 |
| GI TRACT S WALL | G | 2.88E-04 | 3.87E-05 | 5.09E-03 | 3.34E-04 | 3.52E-04 | 1.68E-04 | 3.26E-04 | 1.87E-04 | 1.83E-04 | 1.83E-04 | 1.38E-04 |
| | B | 0.0 | 0.0 | 2.56E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.88E-04 | 3.87E-05 | 3.07E-02 | 3.34E-04 | 3.52E-04 | 1.68E-04 | 3.26E-04 | 1.87E-04 | 1.83E-04 | 1.83E-04 | 1.38E-04 |
| SI+CONT | G | 9.34E-05 | 2.57E-04 | 2.53E-04 | 3.01E-03 | 1.58E-03 | 8.70E-04 | 2.68E-04 | 1.54E-04 | 2.87E-05 | 2.87E-05 | 1.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.34E-05 | 2.57E-04 | 2.53E-04 | 1.90E-02 | 1.58E-03 | 8.70E-04 | 2.68E-04 | 1.54E-04 | 2.87E-05 | 2.87E-05 | 1.51E-04 |
| ULI WALL | G | 1.05E-04 | 2.17E-04 | 3.12E-04 | 2.22E-03 | 4.21E-03 | 4.03E-04 | 2.79E-04 | 2.45E-04 | 3.85E-05 | 3.85E-05 | 1.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.91E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.05E-04 | 2.17E-04 | 3.12E-04 | 2.22E-03 | 3.33E-02 | 4.03E-04 | 2.79E-04 | 2.45E-04 | 3.85E-05 | 3.85E-05 | 1.59E-04 |
| LLI WALL | G | 3.14E-05 | 6.73E-04 | 1.27E-04 | 6.62E-04 | 3.03E-04 | 5.03E-03 | 8.55E-05 | 3.01E-05 | 8.22E-06 | 8.22E-06 | 1.65E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.73E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.14E-05 | 6.73E-04 | 1.27E-04 | 6.62E-04 | 3.03E-04 | 5.24E-02 | 8.55E-05 | 3.01E-05 | 8.22E-06 | 8.22E-06 | 1.65E-04 |
| KIDNEYS | G | 1.11E-03 | 3.68E-05 | 3.20E-04 | 3.09E-04 | 2.70E-04 | 8.40E-05 | 7.13E-03 | 3.64E-04 | 1.00E-04 | 1.00E-04 | 1.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-03 | 3.68E-05 | 3.20E-04 | 3.09E-04 | 2.70E-04 | 8.40E-05 | 4.84E-02 | 3.64E-04 | 1.00E-04 | 1.00E-04 | 1.41E-04 |
| LIVER | G | 4.71E-04 | 2.85E-05 | 1.96E-04 | 1.78E-04 | 2.41E-04 | 3.53E-05 | 3.84E-04 | 2.51E-03 | 2.33E-04 | 2.33E-04 | 1.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.10E-03 | 0.0 | 0.0 | 0.0 |
| | T | 4.71E-04 | 2.85E-05 | 1.96E-04 | 1.78E-04 | 2.41E-04 | 3.53E-05 | 3.84E-04 | 9.61E-03 | 2.33E-04 | 2.33E-04 | 1.10E-04 |
| LUNGS | G | 2.28E-04 | 5.85E-06 | 1.79E-04 | 3.34E-05 | 3.57E-05 | 1.19E-05 | 9.46E-05 | 2.35E-04 | 1.42E-03 | 1.42E-03 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28E-02 | 1.28E-02 | 0.0 |
| | T | 2.28E-04 | 5.85E-06 | 1.79E-04 | 3.34E-05 | 3.57E-05 | 1.19E-05 | 9.46E-05 | 2.35E-04 | 1.42E-02 | 1.42E-02 | 1.31E-04 |
| RESP LYM NODE | G | 2.28E-04 | 5.85E-06 | 1.79E-04 | 3.34E-05 | 3.57E-05 | 1.19E-05 | 9.46E-05 | 2.35E-04 | 1.42E-03 | 1.42E-03 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28E-02 | 8.52E-01 | 0.0 |
| | T | 2.28E-04 | 5.85E-06 | 1.79E-04 | 3.34E-05 | 3.57E-05 | 1.19E-05 | 9.46E-05 | 2.35E-04 | 1.42E-02 | 8.54E-01 | 1.31E-04 |
| MUSCLE* | G | 1.50E-04 | 1.73E-04 | 1.38E-04 | 1.51E-04 | 1.45E-04 | 1.65E-04 | 1.41E-04 | 1.10E-04 | 1.31E-04 | 1.31E-04 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.57E-04 |
| | T | 1.50E-04 | 1.73E-04 | 1.38E-04 | 1.51E-04 | 1.45E-04 | 1.65E-04 | 1.41E-04 | 1.10E-04 | 1.31E-04 | 1.31E-04 | 6.06E-04 |
| OVARIES | G | 5.34E-05 | 5.51E-04 | 8.04E-05 | 9.05E-04 | 1.08E-03 | 1.59E-03 | 1.28E-04 | 3.59E-05 | 1.56E-05 | 1.56E-05 | 1.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.34E-05 | 5.51E-04 | 8.04E-05 | 9.05E-04 | 1.08E-03 | 1.59E-03 | 1.28E-04 | 3.59E-05 | 1.56E-05 | 1.56E-05 | 1.94E-04 |

55-CESIUM-137 AND 56-BARIUM-137M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 8.29E-04 | 2.67E-05 | 1.67E-03 | 2.01E-04 | 1.83E-04 | 7.28E-05 | 6.49E-04 | 4.51E-04 | 2.55E-04 | 2.55E-04 | 1.75E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.29E-04 | 2.67E-05 | 1.67E-03 | 2.01E-04 | 1.83E-04 | 7.28E-05 | 6.49E-04 | 4.51E-04 | 2.55E-04 | 2.55E-04 | 1.75E-04 |
| SKELETON BONE | G | 1.34E-04 | 5.62E-05 | 5.85E-05 | 7.67E-05 | 6.97E-05 | 1.02E-04 | 9.58E-05 | 7.13E-05 | 9.79E-05 | 9.79E-05 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-04 | 5.62E-05 | 5.85E-05 | 7.67E-05 | 6.97E-05 | 1.02E-04 | 9.58E-05 | 7.13E-05 | 9.79E-05 | 9.79E-05 | 1.09E-04 |
| R MARROW | G | 2.38E-04 | 1.19E-04 | 1.00E-04 | 2.42E-04 | 2.07E-04 | 3.05E-04 | 2.42E-04 | 1.03E-04 | 1.23E-04 | 1.23E-04 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.38E-04 | 1.19E-04 | 1.00E-04 | 2.42E-04 | 2.07E-04 | 3.05E-04 | 2.42E-04 | 1.03E-04 | 1.23E-04 | 1.23E-04 | 1.34E-04 |
| Y MARROW | G | 1.30E-04 | 5.17E-05 | 8.12E-05 | 1.06E-04 | 9.89E-05 | 1.25E-04 | 1.19E-04 | 1.05E-04 | 1.03E-04 | 1.03E-04 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.30E-04 | 5.17E-05 | 8.12E-05 | 1.06E-04 | 9.89E-05 | 1.25E-04 | 1.19E-04 | 1.05E-04 | 1.03E-04 | 1.03E-04 | 1.09E-04 |
| T B CL | G | 1.34E-04 | 5.62E-05 | 5.85E-05 | 7.67E-05 | 6.97E-05 | 1.02E-04 | 9.58E-05 | 7.13E-05 | 9.79E-05 | 9.79E-05 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-04 | 5.62E-05 | 5.85E-05 | 7.67E-05 | 6.97E-05 | 1.02E-04 | 9.58E-05 | 7.13E-05 | 9.79E-05 | 9.79E-05 | 1.09E-04 |
| SKIN | G | 6.86E-05 | 6.56E-05 | 5.92E-05 | 5.37E-05 | 5.48E-05 | 5.86E-05 | 6.57E-05 | 6.00E-05 | 6.73E-05 | 6.73E-05 | 9.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.86E-05 | 6.56E-05 | 5.92E-05 | 5.37E-05 | 5.48E-05 | 5.86E-05 | 6.57E-05 | 6.00E-05 | 6.73E-05 | 6.73E-05 | 9.11E-05 |
| SPLEEN | G | 6.17E-04 | 2.32E-05 | 9.24E-04 | 1.53E-04 | 1.25E-04 | 9.62E-05 | 8.13E-04 | 1.02E-04 | 2.11E-04 | 2.11E-04 | 1.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.17E-04 | 2.32E-05 | 9.24E-04 | 1.53E-04 | 1.25E-04 | 9.62E-05 | 8.13E-04 | 1.02E-04 | 2.11E-04 | 2.11E-04 | 1.44E-04 |
| TESTES | G | 7.56E-06 | 4.89E-04 | 6.89E-06 | 4.09E-05 | 5.24E-05 | 1.85E-04 | 1.54E-05 | 1.58E-05 | 2.77E-06 | 2.77E-06 | 1.22E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.56E-06 | 4.89E-04 | 6.89E-06 | 4.09E-05 | 5.24E-05 | 1.85E-04 | 1.54E-05 | 1.58E-05 | 2.77E-06 | 2.77E-06 | 1.22E-04 |
| THYMUS | G | 8.29E-05 | 3.57E-06 | 4.19E-05 | 1.44E-05 | 1.57E-05 | 6.24E-06 | 3.00E-05 | 1.14E-04 | 3.74E-04 | 3.74E-04 | 1.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.29E-05 | 3.57E-06 | 4.19E-05 | 1.44E-05 | 1.57E-05 | 6.24E-06 | 3.00E-05 | 1.14E-04 | 3.74E-04 | 3.74E-04 | 1.54E-04 |
| THYROID | G | 2.01E-05 | 1.16E-06 | 1.56E-05 | 4.40E-06 | 4.69E-06 | 2.09E-06 | 9.96E-06 | 1.86E-05 | 1.24E-04 | 1.24E-04 | 1.35E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.01E-05 | 1.16E-06 | 1.56E-05 | 4.40E-06 | 4.69E-06 | 2.09E-06 | 9.96E-06 | 1.86E-05 | 1.24E-04 | 1.24E-04 | 1.35E-04 |
| UTERUS | G | 4.09E-05 | 1.44E-03 | 8.99E-05 | 8.40E-04 | 4.42E-04 | 5.42E-04 | 8.17E-05 | 4.14E-05 | 1.02E-05 | 1.02E-05 | 2.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.09E-05 | 1.44E-03 | 8.99E-05 | 8.40E-04 | 4.42E-04 | 5.42E-04 | 8.17E-05 | 4.14E-05 | 1.02E-05 | 1.02E-05 | 2.10E-04 |
| T BODY | G | 1.65E-04 | 1.82E-04 | 1.74E-04 | 1.91E-04 | 1.87E-04 | 1.85E-04 | 1.66E-04 | 1.67E-04 | 1.42E-04 | 1.42E-04 | 1.42E-04 |
| | B | 1.83E-04 | 2.05E-05 | 5.48E-05 | 1.46E-04 | 8.72E-05 | 1.08E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 |
| | T | 3.47E-04 | 2.03E-04 | 2.28E-04 | 3.37E-04 | 2.74E-04 | 2.93E-04 | 3.49E-04 | 3.49E-04 | 3.25E-04 | 3.25E-04 | 3.25E-04 |

CONTINUED NEXT PAGE

55-CESIUM-137 AND 56-BARIUM-137M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 5.82E-05 | 7.71E-04 | 1.72E-04 | 1.72E-04 | 2.08E-04 | 8.79E-05 | 7.02E-05 | 6.25E-04 | 7.56E-06 | 2.01E-05 | 2.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 5.82E-05 | 7.71E-04 | 1.72E-04 | 1.72E-04 | 2.08E-04 | 8.79E-05 | 7.02E-05 | 6.25E-04 | 7.56E-06 | 2.01E-05 | 3.91E-04 |
| BLAD WALL | G | 6.61E-04 | 1.70E-05 | 5.73E-05 | 5.73E-05 | 8.05E-05 | 2.71E-05 | 6.69E-05 | 2.04E-05 | 5.04E-04 | 1.17E-06 | 1.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 6.61E-04 | 1.70E-05 | 5.73E-05 | 5.73E-05 | 8.05E-05 | 2.71E-05 | 6.69E-05 | 2.04E-05 | 5.04E-04 | 1.17E-06 | 3.68E-04 |
| GI TRACT S WALL | G | 7.95E-05 | 1.66E-03 | 5.59E-05 | 5.59E-05 | 1.04E-04 | 7.35E-05 | 6.45E-05 | 9.38E-04 | 1.04E-05 | 1.29E-05 | 1.72E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 7.95E-05 | 1.66E-03 | 5.59E-05 | 5.59E-05 | 1.04E-04 | 7.35E-05 | 6.45E-05 | 9.38E-04 | 1.04E-05 | 1.29E-05 | 3.54E-04 |
| SI+CONT | G | 1.13E-03 | 1.73E-04 | 8.01E-05 | 8.01E-05 | 2.60E-04 | 1.02E-04 | 5.58E-05 | 1.36E-04 | 5.26E-05 | 1.76E-06 | 1.93E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.13E-03 | 1.73E-04 | 8.01E-05 | 8.01E-05 | 2.60E-04 | 1.02E-04 | 5.58E-05 | 1.36E-04 | 5.26E-05 | 1.76E-06 | 3.75E-04 |
| ULI WALL | G | 1.07E-03 | 2.12E-04 | 7.13E-05 | 7.13E-05 | 1.96E-04 | 8.38E-05 | 6.00E-05 | 1.37E-04 | 3.45E-05 | 2.11E-06 | 1.89E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.07E-03 | 2.12E-04 | 7.13E-05 | 7.13E-05 | 1.96E-04 | 8.38E-05 | 6.00E-05 | 1.37E-04 | 3.45E-05 | 2.11E-06 | 3.71E-04 |
| LLI WALL | G | 1.36E-03 | 5.31E-05 | 9.68E-05 | 9.68E-05 | 2.98E-04 | 8.02E-05 | 6.15E-05 | 6.62E-05 | 2.60E-04 | 1.77E-06 | 1.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.36E-03 | 5.31E-05 | 9.68E-05 | 9.68E-05 | 2.98E-04 | 8.02E-05 | 6.15E-05 | 6.62E-05 | 2.60E-04 | 1.77E-06 | 3.76E-04 |
| KIDNEYS | G | 1.10E-04 | 5.99E-04 | 9.84E-05 | 9.84E-05 | 2.31E-04 | 1.18E-04 | 7.49E-05 | 8.18E-04 | 1.16E-05 | 7.12E-06 | 1.74E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.10E-04 | 5.99E-04 | 9.84E-05 | 9.84E-05 | 2.31E-04 | 1.18E-04 | 7.49E-05 | 8.18E-04 | 1.16E-05 | 7.12E-06 | 3.57E-04 |
| LIVER | G | 6.13E-05 | 3.97E-04 | 7.00E-05 | 7.00E-05 | 9.92E-05 | 1.08E-04 | 6.67E-05 | 1.05E-04 | 6.80E-06 | 1.68E-05 | 1.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 6.13E-05 | 3.97E-04 | 7.00E-05 | 7.00E-05 | 9.92E-05 | 1.08E-04 | 6.67E-05 | 1.05E-04 | 6.80E-06 | 1.68E-05 | 3.56E-04 |
| LUNGS | G | 1.26E-05 | 2.30E-04 | 9.68E-05 | 9.68E-05 | 1.18E-04 | 9.91E-05 | 6.79E-05 | 2.12E-04 | 1.90E-06 | 1.07E-04 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.26E-05 | 2.30E-04 | 9.68E-05 | 9.68E-05 | 1.18E-04 | 9.91E-05 | 6.79E-05 | 2.12E-04 | 1.90E-06 | 1.07E-04 | 3.31E-04 |
| RESP LYM NODE | G | 1.26E-05 | 2.30E-04 | 9.68E-05 | 9.68E-05 | 1.18E-04 | 9.91E-05 | 6.79E-05 | 2.12E-04 | 1.90E-06 | 1.07E-04 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.26E-05 | 2.30E-04 | 9.68E-05 | 9.68E-05 | 1.18E-04 | 9.91E-05 | 6.79E-05 | 2.12E-04 | 1.90E-06 | 1.07E-04 | 3.31E-04 |
| MUSCLE* | G | 1.94E-04 | 1.75E-04 | 1.09E-04 | 1.09E-04 | 1.28E-04 | 1.01E-04 | 9.11E-05 | 1.44E-04 | 1.22E-04 | 1.35E-04 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.94E-04 | 1.75E-04 | 1.09E-04 | 1.09E-04 | 1.28E-04 | 1.01E-04 | 9.11E-05 | 1.44E-04 | 1.22E-04 | 1.35E-04 | 3.25E-04 |
| OVARIES | G | 7.49E-02 | 5.75E-05 | 1.03E-04 | 1.03E-04 | 3.22E-04 | 8.55E-05 | 3.96E-05 | 8.78E-05 | 4.86E-47 | 2.10E-06 | 1.54E-04 |
| | B | 1.16E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.24E 00 | 5.75E-05 | 1.03E-04 | 1.03E-04 | 3.22E-04 | 8.55E-05 | 3.96E-05 | 8.78E-05 | 4.86E-47 | 2.10E-06 | 3.37E-04 |

55-CESIUM-137 AND 56-BARIUM-137M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 6.65E-05 | 2.08E-02 | 9.14E-05 | 9.14E-05 | 1.50E-04 | 1.19E-04 | 5.46E-05 | 1.86E-03 | 5.85E-06 | 6.30E-06 | 1.67E-04 |
| | B | 0.0 | 1.28E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 6.65E-05 | 1.49E-01 | 9.14E-05 | 9.14E-05 | 1.50E-04 | 1.19E-04 | 5.46E-05 | 1.86E-03 | 5.85E-06 | 6.30E-06 | 3.49E-04 |
| SKELETON BONE | G | 8.96E-05 | 8.89E-05 | 3.43E-04 | 3.43E-04 | 2.29E-04 | 2.55E-04 | 8.44E-05 | 7.53E-05 | 6.46E-05 | 7.34E-05 | 1.46E-04 |
| | B | 0.0 | 0.0 | 2.56E-03 | 1.67E-03 | 5.94E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 8.96E-05 | 8.89E-05 | 2.90E-03 | 2.01E-03 | 8.23E-04 | 2.55E-04 | 8.44E-05 | 7.53E-05 | 6.46E-05 | 7.34E-05 | 3.29E-04 |
| R MARROW | G | 2.97E-04 | 1.67E-04 | 3.07E-04 | 3.07E-04 | 7.34E-04 | 2.64E-04 | 7.84E-05 | 1.11E-04 | 5.12E-05 | 8.05E-05 | 1.61E-04 |
| | B | 0.0 | 0.0 | 6.91E-05 | 2.97E-03 | 6.36E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 2.97E-04 | 1.67E-04 | 3.76E-04 | 3.28E-03 | 7.09E-03 | 2.64E-04 | 7.84E-05 | 1.11E-04 | 5.12E-05 | 8.05E-05 | 3.44E-04 |
| Y MARROW | G | 1.20E-04 | 1.04E-04 | 2.97E-04 | 2.97E-04 | 2.83E-04 | 4.35E-04 | 8.95E-05 | 1.13E-04 | 2.79E-05 | 3.92E-05 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.52E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.20E-04 | 1.04E-04 | 2.97E-04 | 2.97E-04 | 2.83E-04 | 8.96E-03 | 8.95E-05 | 1.13E-04 | 2.79E-05 | 3.92E-05 | 3.20E-04 |
| T E CL | G | 8.96E-05 | 8.89E-05 | 3.43E-04 | 3.43E-04 | 3.09E-04 | 2.82E-04 | 8.44E-05 | 7.53E-05 | 6.46E-05 | 7.34E-05 | 1.46E-04 |
| | B | 0.0 | 0.0 | 1.59E-03 | 2.85E-03 | 2.36E-03 | 2.13E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 8.96E-05 | 8.89E-05 | 1.93E-03 | 3.19E-03 | 2.67E-03 | 2.41E-03 | 8.44E-05 | 7.53E-05 | 6.46E-05 | 7.34E-05 | 3.29E-04 |
| SKIN | G | 5.30E-05 | 5.17E-05 | 8.54E-05 | 8.54E-05 | 7.38E-05 | 9.53E-05 | 2.03E-04 | 6.28E-05 | 1.56E-04 | 8.69E-05 | 9.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.92E-03 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 5.30E-05 | 5.17E-05 | 8.54E-05 | 8.54E-05 | 7.38E-05 | 9.53E-05 | 5.12E-03 | 6.28E-05 | 1.56E-04 | 8.69E-05 | 2.73E-04 |
| SPLEEN | G | 6.58E-05 | 1.84E-03 | 8.42E-05 | 8.42E-05 | 8.71E-05 | 1.00E-04 | 6.93E-05 | 1.28E-02 | 1.08E-05 | 1.53E-05 | 1.75E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.10E-02 | 0.0 | 0.0 | 1.83E-04 |
| | T | 6.58E-05 | 1.84E-03 | 8.42E-05 | 8.42E-05 | 8.71E-05 | 1.00E-04 | 6.93E-05 | 8.38E-02 | 1.08E-05 | 1.53E-05 | 3.57E-04 |
| TESTES | G | 4.86E-47 | 8.16E-06 | 5.94E-05 | 5.94E-05 | 4.26E-05 | 9.34E-05 | 8.55E-05 | 1.00E-05 | 3.53E-02 | 4.56E-07 | 1.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.65E-01 | 0.0 | 1.83E-04 |
| | T | 4.86E-47 | 8.16E-06 | 5.94E-05 | 5.94E-05 | 4.26E-05 | 9.34E-05 | 8.55E-05 | 1.00E-05 | 4.01E-01 | 4.56E-07 | 3.63E-04 |
| THYMUS | G | 6.58E-06 | 5.20E-05 | 7.78E-05 | 7.78E-05 | 5.10E-05 | 3.79E-05 | 8.09E-05 | 5.46E-05 | 1.34E-06 | 4.12E-04 | 1.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 6.58E-06 | 5.20E-05 | 7.78E-05 | 7.78E-05 | 5.10E-05 | 3.79E-05 | 8.09E-05 | 5.46E-05 | 1.34E-06 | 4.12E-04 | 3.24E-04 |
| THYROID | G | 2.10E-06 | 1.35E-05 | 9.03E-05 | 9.03E-05 | 9.06E-05 | 4.59E-05 | 7.91E-05 | 1.52E-05 | 4.56E-07 | 4.75E-02 | 1.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.39E-01 | 1.83E-04 |
| | T | 2.10E-06 | 1.35E-05 | 9.03E-05 | 9.03E-05 | 9.06E-05 | 4.59E-05 | 7.91E-05 | 1.52E-05 | 4.56E-07 | 6.87E-01 | 3.28E-04 |
| UTERUS | G | 1.71E-03 | 6.09E-05 | 6.79E-05 | 6.79E-05 | 1.77E-04 | 6.59E-05 | 6.22E-05 | 5.09E-05 | 4.86E-47 | 2.00E-06 | 1.92E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 1.71E-03 | 6.09E-05 | 6.79E-05 | 6.79E-05 | 1.77E-04 | 6.59E-05 | 6.22E-05 | 5.09E-05 | 4.86E-47 | 2.00E-06 | 3.75E-04 |
| T BODY | G | 1.95E-04 | 1.91E-04 | 1.41E-04 | 1.41E-04 | 1.56E-04 | 1.26E-04 | 9.14E-05 | 1.66E-04 | 1.40E-04 | 1.28E-04 | 1.42E-04 |
| | B | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 | 1.83E-04 |
| | T | 3.77E-04 | 3.73E-04 | 3.24E-04 | 3.24E-04 | 3.39E-04 | 3.09E-04 | 2.74E-04 | 3.48E-04 | 3.23E-04 | 3.11E-04 | 3.25E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 56-BARIUM-131 (TR=1.150E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.75E-02 | 1.73E-05 | 1.84E-04 | 1.02E-04 | 8.11E-05 | 3.78E-05 | 1.08E-03 | 4.27E-04 | 2.07E-04 | 2.07E-04 | 1.36E-04 |
| | B | 1.75E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.23E-01 | 1.73E-05 | 1.84E-04 | 1.02E-04 | 8.11E-05 | 3.78E-05 | 1.08E-03 | 4.27E-04 | 2.07E-04 | 2.07E-04 | 1.36E-04 |
| BLAD WALL | G | 9.69E-06 | 7.23E-03 | 3.19E-05 | 2.57E-04 | 1.65E-04 | 5.11E-04 | 2.91E-05 | 2.27E-05 | 5.33E-06 | 5.33E-06 | 1.56E-04 |
| | B | 0.0 | 6.13E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.69E-06 | 1.34E-02 | 3.19E-05 | 2.57E-04 | 1.65E-04 | 5.11E-04 | 2.91E-05 | 2.27E-05 | 5.33E-06 | 5.33E-06 | 1.56E-04 |
| GI TRACT S WALL | G | 2.43E-04 | 2.58E-05 | 5.10E-03 | 2.98E-04 | 3.24E-04 | 1.50E-04 | 2.82E-04 | 1.58E-04 | 1.59E-04 | 1.59E-04 | 1.22E-04 |
| | B | 0.0 | 0.0 | 4.91E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.43E-04 | 2.58E-05 | 1.00E-02 | 2.98E-04 | 3.24E-04 | 1.50E-04 | 2.82E-04 | 1.58E-04 | 1.59E-04 | 1.59E-04 | 1.22E-04 |
| SI+CONT | G | 7.44E-05 | 2.24E-04 | 2.20E-04 | 3.00E-03 | 1.53E-03 | 8.35E-04 | 2.32E-04 | 1.32E-04 | 2.06E-05 | 2.06E-05 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 3.07E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.44E-05 | 2.24E-04 | 2.20E-04 | 6.07E-03 | 1.53E-03 | 8.35E-04 | 2.32E-04 | 1.32E-04 | 2.06E-05 | 2.06E-05 | 1.34E-04 |
| ULI WALL | G | 8.18E-05 | 1.90E-04 | 2.91E-04 | 2.23E-03 | 4.18E-03 | 3.80E-04 | 2.39E-04 | 2.15E-04 | 2.74E-05 | 2.74E-05 | 1.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 5.58E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.18E-05 | 1.90E-04 | 2.91E-04 | 2.23E-03 | 9.76E-03 | 3.80E-04 | 2.39E-04 | 2.15E-04 | 2.74E-05 | 2.74E-05 | 1.41E-04 |
| LLI WALL | G | 2.50E-05 | 6.18E-04 | 1.04E-04 | 6.40E-04 | 2.68E-04 | 5.06E-03 | 6.92E-05 | 2.37E-05 | 6.69E-06 | 6.69E-06 | 1.47E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.09E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.50E-05 | 6.18E-04 | 1.04E-04 | 6.40E-04 | 2.68E-04 | 1.41E-02 | 6.92E-05 | 2.37E-05 | 6.69E-06 | 6.69E-06 | 1.47E-04 |
| KIDNEYS | G | 1.05E-03 | 2.82E-05 | 2.80E-04 | 2.62E-04 | 2.28E-04 | 6.98E-05 | 7.29E-03 | 3.26E-04 | 8.11E-05 | 8.11E-05 | 1.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.91E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.05E-03 | 2.82E-05 | 2.80E-04 | 2.62E-04 | 2.28E-04 | 6.98E-05 | 1.52E-02 | 3.26E-04 | 8.11E-05 | 8.11E-05 | 1.26E-04 |
| LIVER | G | 4.29E-04 | 2.08E-05 | 1.67E-04 | 1.52E-04 | 2.10E-04 | 2.62E-05 | 3.37E-04 | 2.48E-03 | 2.12E-04 | 2.12E-04 | 9.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36E-03 | 0.0 | 0.0 | 0.0 |
| | T | 4.29E-04 | 2.08E-05 | 1.67E-04 | 1.52E-04 | 2.10E-04 | 2.62E-05 | 3.37E-04 | 3.84E-03 | 2.12E-04 | 2.12E-04 | 9.62E-05 |
| LUNGS | G | 2.04E-04 | 3.50E-06 | 1.56E-04 | 2.48E-05 | 2.60E-05 | 8.00E-06 | 7.55E-05 | 2.18E-04 | 1.51E-03 | 1.51E-03 | 1.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.45E-03 | 2.45E-03 | 0.0 |
| | T | 2.04E-04 | 3.50E-06 | 1.56E-04 | 2.48E-05 | 2.60E-05 | 8.00E-06 | 7.55E-05 | 2.18E-04 | 3.97E-03 | 3.97E-03 | 1.20E-04 |
| RESP LYM NODE | G | 2.04E-04 | 3.50E-06 | 1.56E-04 | 2.48E-05 | 2.60E-05 | 8.00E-06 | 7.55E-05 | 2.18E-04 | 1.49E-03 | 1.51E-03 | 1.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.15E-03 | 1.64E-01 | 0.0 |
| | T | 2.04E-04 | 3.50E-06 | 1.56E-04 | 2.48E-05 | 2.60E-05 | 8.00E-06 | 7.55E-05 | 2.18E-04 | 3.64E-03 | 1.65E-01 | 1.20E-04 |
| MUSCLE* | G | 1.36E-04 | 1.56E-04 | 1.23E-04 | 1.34E-04 | 1.28E-04 | 1.47E-04 | 1.26E-04 | 9.62E-05 | 1.20E-04 | 1.20E-04 | 1.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.76E-05 |
| | T | 1.36E-04 | 1.56E-04 | 1.23E-04 | 1.34E-04 | 1.28E-04 | 1.47E-04 | 1.26E-04 | 9.62E-05 | 1.20E-04 | 1.20E-04 | 2.23E-04 |
| OVARIES | G | 4.45E-05 | 5.62E-04 | 4.41E-05 | 8.39E-04 | 1.07E-03 | 1.60E-03 | 9.57E-05 | 2.48E-05 | 1.14E-05 | 1.14E-05 | 1.76E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.45E-05 | 5.62E-04 | 4.41E-05 | 8.39E-04 | 1.07E-03 | 1.60E-03 | 9.57E-05 | 2.48E-05 | 1.14E-05 | 1.14E-05 | 1.76E-04 |

56-BARIUM-131 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 7.36E-04 | 2.12E-05 | 1.61E-03 | 1.69E-04 | 1.61E-04 | 5.97E-05 | 5.58E-04 | 3.87E-04 | 2.28E-04 | 2.28E-04 | 1.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.36E-04 | 2.12E-05 | 1.61E-03 | 1.69E-04 | 1.61E-04 | 5.97E-05 | 5.58E-04 | 3.87E-04 | 2.28E-04 | 2.28E-04 | 1.61E-04 |
| SKELETON BONE | G | 1.40E-04 | 5.41E-05 | 5.74E-05 | 7.79E-05 | 7.13E-05 | 1.11E-04 | 9.66E-05 | 7.32E-05 | 1.02E-04 | 1.02E-04 | 9.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.40E-04 | 5.41E-05 | 5.74E-05 | 7.79E-05 | 7.13E-05 | 1.11E-04 | 9.66E-05 | 7.32E-05 | 1.02E-04 | 1.02E-04 | 9.10E-05 |
| R MARROW | G | 2.47E-04 | 1.21E-04 | 9.78E-05 | 2.58E-04 | 2.25E-04 | 3.56E-04 | 2.48E-04 | 1.03E-04 | 1.28E-04 | 1.28E-04 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.47E-04 | 1.21E-04 | 9.78E-05 | 2.58E-04 | 2.25E-04 | 3.56E-04 | 2.48E-04 | 1.03E-04 | 1.28E-04 | 1.28E-04 | 1.42E-04 |
| Y MARROW | G | 1.34E-04 | 5.04E-05 | 8.01E-05 | 1.08E-04 | 1.02E-04 | 1.40E-04 | 1.19E-04 | 1.09E-04 | 1.09E-04 | 1.09E-04 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-04 | 5.04E-05 | 8.01E-05 | 1.08E-04 | 1.02E-04 | 1.40E-04 | 1.19E-04 | 1.09E-04 | 1.09E-04 | 1.09E-04 | 1.14E-04 |
| T E CL | G | 1.40E-04 | 5.41E-05 | 5.74E-05 | 7.79E-05 | 7.13E-05 | 1.11E-04 | 9.66E-05 | 7.32E-05 | 1.02E-04 | 1.02E-04 | 9.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.40E-04 | 5.41E-05 | 5.74E-05 | 7.79E-05 | 7.13E-05 | 1.11E-04 | 9.66E-05 | 7.32E-05 | 1.02E-04 | 1.02E-04 | 9.10E-05 |
| SKIN | G | 5.49E-05 | 5.26E-05 | 4.67E-05 | 4.17E-05 | 4.32E-05 | 4.71E-05 | 5.44E-05 | 4.86E-05 | 5.46E-05 | 5.46E-05 | 7.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.49E-05 | 5.26E-05 | 4.67E-05 | 4.17E-05 | 4.32E-05 | 4.71E-05 | 5.44E-05 | 4.86E-05 | 5.46E-05 | 5.46E-05 | 7.72E-05 |
| SPLEEN | G | 5.62E-04 | 2.12E-05 | 8.46E-04 | 1.29E-04 | 1.05E-04 | 7.31E-05 | 7.69E-04 | 8.00E-05 | 1.93E-04 | 1.93E-04 | 1.31E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.62E-04 | 2.12E-05 | 8.46E-04 | 1.29E-04 | 1.05E-04 | 7.31E-05 | 7.69E-04 | 8.00E-05 | 1.93E-04 | 1.93E-04 | 1.31E-04 |
| TESTES | G | 5.06E-06 | 4.17E-04 | 3.42E-06 | 2.91E-05 | 3.66E-05 | 1.66E-04 | 1.11E-05 | 8.90E-06 | 1.70E-06 | 1.70E-06 | 1.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.06E-06 | 4.17E-04 | 3.42E-06 | 2.91E-05 | 3.66E-05 | 1.66E-04 | 1.11E-05 | 8.90E-06 | 1.70E-06 | 1.70E-06 | 1.05E-04 |
| THYMUS | G | 6.19E-05 | 2.22E-06 | 2.20E-05 | 1.03E-05 | 1.14E-05 | 4.17E-06 | 2.63E-05 | 8.88E-05 | 3.31E-04 | 3.31E-04 | 1.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.19E-05 | 2.22E-06 | 2.20E-05 | 1.03E-05 | 1.14E-05 | 4.17E-06 | 2.63E-05 | 8.88E-05 | 3.31E-04 | 3.31E-04 | 1.71E-04 |
| THYROID | G | 1.48E-05 | 6.49E-07 | 1.12E-05 | 2.81E-06 | 3.02E-06 | 1.26E-06 | 6.86E-06 | 1.50E-05 | 9.06E-05 | 9.06E-05 | 1.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.48E-05 | 6.49E-07 | 1.12E-05 | 2.81E-06 | 3.02E-06 | 1.26E-06 | 6.86E-06 | 1.50E-05 | 9.06E-05 | 9.06E-05 | 1.25E-04 |
| UTERUS | G | 6.30E-05 | 1.36E-03 | 6.99E-05 | 7.90E-04 | 3.91E-04 | 5.12E-04 | 7.13E-05 | 3.39E-05 | 7.70E-06 | 7.70E-06 | 1.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.30E-05 | 1.36E-03 | 6.99E-05 | 7.90E-04 | 3.91E-04 | 5.12E-04 | 7.13E-05 | 3.39E-05 | 7.70E-06 | 7.70E-06 | 1.85E-04 |
| T BODY | G | 1.53E-04 | 1.69E-04 | 1.61E-04 | 1.77E-04 | 1.73E-04 | 1.72E-04 | 1.53E-04 | 1.55E-04 | 1.35E-04 | 1.35E-04 | 1.28E-04 |
| | B | 3.51E-05 | 3.94E-06 | 1.05E-05 | 2.80E-05 | 1.67E-05 | 2.08E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 |
| | T | 1.88E-04 | 1.73E-04 | 1.71E-04 | 2.05E-04 | 1.90E-04 | 1.93E-04 | 1.88E-04 | 1.90E-04 | 1.70E-04 | 1.70E-04 | 1.63E-04 |

CONTINUED NEXT PAGE

56-BARIUM-131 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 4.27E-05 | 7.32E-04 | 1.30E-04 | 1.30E-04 | 1.72E-04 | 9.45E-05 | 5.94E-05 | 5.44E-04 | 5.06E-06 | 1.48E-05 | 1.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 4.27E-05 | 7.32E-04 | 1.30E-04 | 1.30E-04 | 1.72E-04 | 9.45E-05 | 5.94E-05 | 5.44E-04 | 5.06E-06 | 1.48E-05 | 2.20E-04 |
| BLAD WALL | G | 5.81E-04 | 1.44E-05 | 4.83E-05 | 4.83E-05 | 6.27E-05 | 2.47E-05 | 5.11E-05 | 1.21E-05 | 4.26E-04 | 6.55E-07 | 1.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 5.81E-04 | 1.44E-05 | 4.83E-05 | 4.83E-05 | 6.27E-05 | 2.47E-05 | 5.11E-05 | 1.21E-05 | 4.26E-04 | 6.55E-07 | 1.95E-04 |
| GI TRACT S WALL | G | 6.66E-05 | 1.61E-03 | 4.78E-05 | 4.78E-05 | 8.31E-05 | 6.26E-05 | 5.27E-05 | 8.58E-04 | 7.52E-06 | 8.42E-06 | 1.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 6.66E-05 | 1.61E-03 | 4.78E-05 | 4.78E-05 | 8.31E-05 | 6.26E-05 | 5.27E-05 | 8.58E-04 | 7.52E-06 | 8.42E-06 | 1.94E-04 |
| SI+CONT | G | 1.08E-03 | 1.45E-04 | 6.58E-05 | 6.58E-05 | 2.22E-04 | 8.81E-05 | 4.38E-05 | 1.14E-04 | 3.97E-05 | 8.78E-07 | 1.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 1.08E-03 | 1.45E-04 | 6.58E-05 | 6.58E-05 | 2.22E-04 | 8.81E-05 | 4.38E-05 | 1.14E-04 | 3.97E-05 | 8.78E-07 | 2.12E-04 |
| ULI WALL | G | 1.03E-03 | 1.77E-04 | 5.88E-05 | 5.88E-05 | 1.74E-04 | 7.34E-05 | 4.60E-05 | 1.13E-04 | 2.66E-05 | 1.03E-06 | 1.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 1.03E-03 | 1.77E-04 | 5.88E-05 | 5.88E-05 | 1.74E-04 | 7.34E-05 | 4.60E-05 | 1.13E-04 | 2.66E-05 | 1.03E-06 | 2.08E-04 |
| LLI WALL | G | 1.34E-03 | 4.41E-05 | 8.35E-05 | 8.35E-05 | 2.61E-04 | 7.28E-05 | 4.73E-05 | 5.46E-05 | 2.33E-04 | 1.05E-06 | 1.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 1.34E-03 | 4.41E-05 | 8.35E-05 | 8.35E-05 | 2.61E-04 | 7.28E-05 | 4.73E-05 | 5.46E-05 | 2.33E-04 | 1.05E-06 | 2.06E-04 |
| KIDNEYS | G | 8.72E-05 | 5.37E-04 | 7.59E-05 | 7.59E-05 | 1.94E-04 | 9.79E-05 | 6.13E-05 | 7.84E-04 | 7.21E-06 | 4.01E-06 | 1.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 8.72E-05 | 5.37E-04 | 7.59E-05 | 7.59E-05 | 1.94E-04 | 9.79E-05 | 6.13E-05 | 7.84E-04 | 7.21E-06 | 4.01E-06 | 1.90E-04 |
| LIVER | G | 4.84E-05 | 3.58E-04 | 5.81E-05 | 5.81E-05 | 8.23E-05 | 8.96E-05 | 5.40E-05 | 8.51E-05 | 4.06E-06 | 1.18E-05 | 1.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 4.84E-05 | 3.58E-04 | 5.81E-05 | 5.81E-05 | 8.23E-05 | 8.96E-05 | 5.40E-05 | 8.51E-05 | 4.06E-06 | 1.18E-05 | 1.90E-04 |
| LUNGS | G | 8.19E-06 | 2.06E-04 | 8.29E-05 | 8.29E-05 | 1.01E-04 | 8.55E-05 | 5.68E-05 | 1.94E-04 | 1.12E-06 | 8.46E-05 | 1.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 8.19E-06 | 2.06E-04 | 8.29E-05 | 8.29E-05 | 1.01E-04 | 8.55E-05 | 5.68E-05 | 1.94E-04 | 1.12E-06 | 8.46E-05 | 1.74E-04 |
| RESP LYM NODE | G | 8.19E-06 | 2.06E-04 | 8.29E-05 | 8.29E-05 | 1.01E-04 | 8.55E-05 | 5.68E-05 | 1.94E-04 | 1.12E-06 | 8.46E-05 | 1.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 8.19E-06 | 2.06E-04 | 8.29E-05 | 8.29E-05 | 1.01E-04 | 8.55E-05 | 5.68E-05 | 1.94E-04 | 1.12E-06 | 8.46E-05 | 1.74E-04 |
| MUSCLE* | G | 1.76E-04 | 1.61E-04 | 9.10E-05 | 9.10E-05 | 1.08E-04 | 8.46E-05 | 7.72E-05 | 1.31E-04 | 1.05E-04 | 1.25E-04 | 1.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 1.76E-04 | 1.61E-04 | 9.10E-05 | 9.10E-05 | 1.08E-04 | 8.46E-05 | 7.72E-05 | 1.31E-04 | 1.05E-04 | 1.25E-04 | 1.63E-04 |
| OVARIES | G | 7.93E-02 | 3.28E-05 | 8.31E-05 | 8.31E-05 | 2.71E-04 | 8.40E-05 | 2.99E-05 | 7.01E-05 | 6.11E-46 | 1.24E-06 | 1.55E-04 |
| | B | 2.23E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 3.02E-01 | 3.28E-05 | 8.31E-05 | 8.31E-05 | 2.71E-04 | 8.40E-05 | 2.99E-05 | 7.01E-05 | 6.11E-46 | 1.24E-06 | 1.90E-04 |

56-BARIUM-131 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.47E-05 | 2.15E-02 | 7.67E-05 | 7.67E-05 | 1.36E-04 | 1.04E-04 | 4.62E-05 | 1.80E-03 | 4.00E-06 | 6.05E-06 | 1.63E-04 |
| | B | 0.0 | 2.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 4.47E-05 | 4.60E-02 | 7.67E-05 | 7.67E-05 | 1.36E-04 | 1.04E-04 | 4.62E-05 | 1.80E-03 | 4.00E-06 | 6.05E-06 | 1.98E-04 |
| SKELETON BONE | G | 9.51E-05 | 8.91E-05 | 3.92E-04 | 3.92E-04 | 2.58E-04 | 2.95E-04 | 8.25E-05 | 7.58E-05 | 5.86E-05 | 6.86E-05 | 1.56E-04 |
| | B | 0.0 | 0.0 | 4.91E-04 | 3.95E-04 | 6.38E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 9.51E-05 | 8.91E-05 | 8.83E-04 | 7.87E-04 | 3.22E-04 | 2.95E-04 | 8.25E-05 | 7.58E-05 | 5.86E-05 | 6.86E-05 | 1.91E-04 |
| R MARROW | G | 3.32E-04 | 1.68E-04 | 3.54E-04 | 3.54E-04 | 8.85E-04 | 3.03E-04 | 7.70E-05 | 1.09E-04 | 4.64E-05 | 7.48E-05 | 1.75E-04 |
| | B | 0.0 | 0.0 | 4.48E-06 | 3.19E-04 | 1.41E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 3.32E-04 | 1.68E-04 | 3.58E-04 | 6.73E-04 | 2.30E-03 | 3.03E-04 | 7.70E-05 | 1.09E-04 | 4.64E-05 | 7.48E-05 | 2.11E-04 |
| Y MARROW | G | 1.28E-04 | 1.03E-04 | 3.45E-04 | 3.45E-04 | 3.29E-04 | 5.33E-04 | 8.93E-05 | 1.14E-04 | 2.39E-05 | 3.60E-05 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.64E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 1.28E-04 | 1.03E-04 | 3.45E-04 | 3.45E-04 | 3.29E-04 | 2.17E-03 | 8.93E-05 | 1.14E-04 | 2.39E-05 | 3.60E-05 | 1.83E-04 |
| T E CL | G | 9.51E-05 | 8.91E-05 | 3.90E-04 | 3.90E-04 | 3.63E-04 | 3.35E-04 | 8.25E-05 | 7.58E-05 | 5.86E-05 | 6.86E-05 | 1.56E-04 |
| | B | 0.0 | 0.0 | 2.40E-04 | 4.76E-04 | 5.01E-04 | 4.09E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 9.51E-05 | 8.91E-05 | 6.30E-04 | 8.66E-04 | 8.64E-04 | 7.44E-04 | 8.25E-05 | 7.58E-05 | 5.86E-05 | 6.86E-05 | 1.91E-04 |
| SKIN | G | 4.10E-05 | 3.97E-05 | 6.90E-05 | 6.90E-05 | 6.04E-05 | 7.78E-05 | 1.96E-04 | 4.98E-05 | 1.43E-04 | 7.50E-05 | 7.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.44E-04 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 4.10E-05 | 3.97E-05 | 6.90E-05 | 6.90E-05 | 6.04E-05 | 7.78E-05 | 1.14E-03 | 4.98E-05 | 1.43E-04 | 7.50E-05 | 1.12E-04 |
| SPLEEN | G | 5.15E-05 | 1.78E-03 | 6.54E-05 | 6.54E-05 | 7.03E-05 | 8.42E-05 | 5.35E-05 | 1.30E-02 | 7.67E-06 | 1.03E-05 | 1.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36E-02 | 0.0 | 0.0 | 3.51E-05 |
| | T | 5.15E-05 | 1.78E-03 | 6.54E-05 | 6.54E-05 | 7.03E-05 | 8.42E-05 | 5.35E-05 | 2.67E-02 | 7.67E-06 | 1.03E-05 | 1.95E-04 |
| TESTES | G | 6.11E-46 | 5.41E-06 | 4.88E-05 | 4.88E-05 | 3.35E-05 | 8.18E-05 | 8.44E-05 | 6.92E-06 | 3.63E-02 | 2.32E-07 | 1.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.01E-02 | 0.0 | 3.51E-05 |
| | T | 6.11E-46 | 5.41E-06 | 4.88E-05 | 4.88E-05 | 3.35E-05 | 8.18E-05 | 8.44E-05 | 6.92E-06 | 1.06E-01 | 2.32E-07 | 1.80E-04 |
| THYMUS | G | 4.35E-06 | 4.74E-05 | 5.63E-05 | 5.63E-05 | 4.68E-05 | 4.18E-05 | 6.62E-05 | 3.61E-05 | 7.59E-07 | 3.63E-04 | 1.50E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 4.35E-06 | 4.74E-05 | 5.63E-05 | 5.63E-05 | 4.68E-05 | 4.18E-05 | 6.62E-05 | 3.61E-05 | 7.59E-07 | 3.63E-04 | 1.85E-04 |
| THYROID | G | 1.24E-06 | 1.32E-05 | 8.37E-05 | 8.37E-05 | 6.94E-05 | 5.67E-05 | 7.18E-05 | 1.09E-05 | 2.32E-07 | 4.95E-02 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23E-01 | 3.51E-05 |
| | T | 1.24E-06 | 1.32E-05 | 8.37E-05 | 8.37E-05 | 6.94E-05 | 5.67E-05 | 7.18E-05 | 1.09E-05 | 2.32E-07 | 1.72E-01 | 1.56E-04 |
| UTERUS | G | 1.71E-03 | 4.95E-05 | 5.00E-05 | 5.00E-05 | 1.64E-04 | 5.46E-05 | 4.35E-05 | 3.65E-05 | 6.11E-46 | 1.18E-06 | 1.68E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.51E-05 |
| | T | 1.71E-03 | 4.95E-05 | 5.00E-05 | 5.00E-05 | 1.64E-04 | 5.46E-05 | 4.35E-05 | 3.65E-05 | 6.11E-46 | 1.18E-06 | 2.03E-04 |
| T BODY | G | 1.81E-04 | 1.78E-04 | 1.34E-04 | 1.34E-04 | 1.47E-04 | 1.20E-04 | 7.97E-05 | 1.54E-04 | 1.27E-04 | 1.19E-04 | 1.31E-04 |
| | B | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 | 3.51E-05 |
| | T | 2.16E-04 | 2.13E-04 | 1.69E-04 | 1.69E-04 | 1.82E-04 | 1.55E-04 | 1.15E-04 | 1.89E-04 | 1.62E-04 | 1.54E-04 | 1.67E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-KUCAROVA, T. ET AL., SOV. J. NUCL. PHYS. 7, 433 (1968)
DATE DECAY DATA REVIEWED-APRIL 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 56-BARIUM-133 (TR=1.040E 01 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.41E-02 | 1.33E-05 | 1.61E-04 | 9.12E-05 | 6.52E-05 | 3.04E-05 | 9.17E-04 | 3.77E-04 | 1.78E-04 | 1.78E-04 | 1.18E-04 |
| | B | 2.00E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.44E-01 | 1.33E-05 | 1.61E-04 | 9.12E-05 | 6.52E-05 | 3.04E-05 | 9.17E-04 | 3.77E-04 | 1.78E-04 | 1.78E-04 | 1.18E-04 |
| BLAD WALL | G | 7.45E-06 | 6.63E-03 | 2.15E-05 | 2.06E-04 | 1.42E-04 | 4.66E-04 | 2.20E-05 | 1.56E-05 | 3.84E-06 | 3.84E-06 | 1.37E-04 |
| | B | 0.0 | 7.01E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.45E-06 | 1.36E-02 | 2.15E-05 | 2.06E-04 | 1.42E-04 | 4.66E-04 | 2.20E-05 | 1.56E-05 | 3.84E-06 | 3.84E-06 | 1.37E-04 |
| GI TRACT S WALL | G | 2.05E-04 | 1.94E-05 | 4.70E-03 | 2.64E-04 | 2.88E-04 | 1.29E-04 | 2.41E-04 | 1.36E-04 | 1.38E-04 | 1.38E-04 | 1.07E-04 |
| | B | 0.0 | 0.0 | 5.61E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.05E-04 | 1.94E-05 | 1.03E-02 | 2.64E-04 | 2.88E-04 | 1.29E-04 | 2.41E-04 | 1.36E-04 | 1.38E-04 | 1.38E-04 | 1.07E-04 |
| SI+CONT | G | 5.93E-05 | 1.94E-04 | 1.88E-04 | 2.75E-03 | 1.39E-03 | 7.60E-04 | 2.00E-04 | 1.14E-04 | 1.52E-05 | 1.52E-05 | 1.17E-04 |
| | B | 0.0 | 0.0 | 0.0 | 3.51E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.93E-05 | 1.94E-04 | 1.88E-04 | 6.25E-03 | 1.39E-03 | 7.60E-04 | 2.00E-04 | 1.14E-04 | 1.52E-05 | 1.52E-05 | 1.17E-04 |
| ULI WALL | G | 6.49E-05 | 1.61E-04 | 2.61E-04 | 2.06E-03 | 3.84E-03 | 3.39E-04 | 2.03E-04 | 1.83E-04 | 1.97E-05 | 1.97E-05 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 6.37E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.49E-05 | 1.61E-04 | 2.61E-04 | 2.06E-03 | 1.02E-02 | 3.39E-04 | 2.03E-04 | 1.83E-04 | 1.97E-05 | 1.97E-05 | 1.23E-04 |
| LLI WALL | G | 1.85E-05 | 5.44E-04 | 8.79E-05 | 5.85E-04 | 2.34E-04 | 4.64E-03 | 5.66E-05 | 1.79E-05 | 6.02E-06 | 6.02E-06 | 1.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.85E-05 | 5.44E-04 | 8.79E-05 | 5.85E-04 | 2.34E-04 | 1.50E-02 | 5.66E-05 | 1.79E-05 | 6.02E-06 | 6.02E-06 | 1.28E-04 |
| KIDNEYS | G | 9.40E-04 | 2.11E-05 | 2.44E-04 | 2.19E-04 | 1.94E-04 | 6.04E-05 | 6.70E-03 | 2.85E-04 | 6.49E-05 | 6.49E-05 | 1.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.05E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.40E-04 | 2.11E-05 | 2.44E-04 | 2.19E-04 | 1.94E-04 | 6.04E-05 | 1.57E-02 | 2.85E-04 | 6.49E-05 | 6.49E-05 | 1.10E-04 |
| LIVER | G | 3.79E-04 | 1.56E-05 | 1.40E-04 | 1.30E-04 | 1.83E-04 | 2.00E-05 | 2.90E-04 | 2.26E-03 | 1.89E-04 | 1.89E-04 | 8.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.56E-03 | 0.0 | 0.0 | 0.0 |
| | T | 3.79E-04 | 1.56E-05 | 1.40E-04 | 1.30E-04 | 1.83E-04 | 2.00E-05 | 2.90E-04 | 3.82E-03 | 1.89E-04 | 1.89E-04 | 8.30E-05 |
| LUNGS | G | 1.81E-04 | 2.27E-06 | 1.33E-04 | 1.87E-05 | 1.98E-05 | 6.00E-06 | 6.10E-05 | 1.95E-04 | 1.42E-03 | 1.42E-03 | 1.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.80E-03 | 2.80E-03 | 0.0 |
| | T | 1.81E-04 | 2.27E-06 | 1.33E-04 | 1.87E-05 | 1.98E-05 | 6.00E-06 | 6.10E-05 | 1.95E-04 | 4.23E-03 | 4.23E-03 | 1.07E-04 |
| RESP LYM NODE | G | 1.81E-04 | 2.27E-06 | 1.33E-04 | 1.87E-05 | 1.98E-05 | 6.00E-06 | 6.10E-05 | 1.95E-04 | 1.39E-03 | 1.42E-03 | 1.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.32E-03 | 1.87E-01 | 0.0 |
| | T | 1.81E-04 | 2.27E-06 | 1.33E-04 | 1.87E-05 | 1.98E-05 | 6.00E-06 | 6.10E-05 | 1.95E-04 | 3.71E-03 | 1.88E-01 | 1.07E-04 |
| MUSCLE* | G | 1.18E-04 | 1.37E-04 | 1.08E-04 | 1.17E-04 | 1.11E-04 | 1.28E-04 | 1.10E-04 | 8.30E-05 | 1.07E-04 | 1.07E-04 | 1.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00E-04 |
| | T | 1.18E-04 | 1.37E-04 | 1.08E-04 | 1.17E-04 | 1.11E-04 | 1.28E-04 | 1.10E-04 | 8.30E-05 | 1.07E-04 | 1.07E-04 | 2.19E-04 |
| OVARIES | G | 3.68E-05 | 5.22E-04 | 3.18E-05 | 7.78E-04 | 9.39E-04 | 1.53E-03 | 7.92E-05 | 2.42E-05 | 8.68E-06 | 8.68E-06 | 1.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.68E-05 | 5.22E-04 | 3.18E-05 | 7.78E-04 | 9.39E-04 | 1.53E-03 | 7.92E-05 | 2.42E-05 | 8.68E-06 | 8.68E-06 | 1.55E-04 |

56-BARIUM-133 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 6.44E-04 | 1.80E-05 | 1.46E-03 | 1.41E-04 | 1.47E-04 | 4.83E-05 | 4.79E-04 | 3.18E-04 | 1.93E-04 | 1.93E-04 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.44E-04 | 1.80E-05 | 1.46E-03 | 1.41E-04 | 1.47E-04 | 4.83E-05 | 4.79E-04 | 3.18E-04 | 1.93E-04 | 1.93E-04 | 1.42E-04 |
| SKELETON BONE | G | 1.35E-04 | 4.98E-05 | 5.34E-05 | 7.44E-05 | 6.77E-05 | 1.09E-04 | 9.12E-05 | 6.98E-05 | 9.83E-05 | 9.83E-05 | 7.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-04 | 4.98E-05 | 5.34E-05 | 7.44E-05 | 6.77E-05 | 1.09E-04 | 9.12E-05 | 6.98E-05 | 9.83E-05 | 9.83E-05 | 7.61E-05 |
| R MARROW | G | 2.37E-04 | 1.15E-04 | 9.05E-05 | 2.52E-04 | 2.20E-04 | 3.59E-04 | 2.37E-04 | 9.56E-05 | 1.22E-04 | 1.22E-04 | 1.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.37E-04 | 1.15E-04 | 9.05E-05 | 2.52E-04 | 2.20E-04 | 3.59E-04 | 2.37E-04 | 9.56E-05 | 1.22E-04 | 1.22E-04 | 1.37E-04 |
| Y MARROW | G | 1.28E-04 | 4.67E-05 | 7.48E-05 | 1.04E-04 | 9.68E-05 | 1.39E-04 | 1.12E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-04 | 4.67E-05 | 7.48E-05 | 1.04E-04 | 9.68E-05 | 1.39E-04 | 1.12E-04 | 1.05E-04 | 1.05E-04 | 1.05E-04 | 1.08E-04 |
| T E CL | G | 1.35E-04 | 4.98E-05 | 5.34E-05 | 7.44E-05 | 6.77E-05 | 1.09E-04 | 9.12E-05 | 6.98E-05 | 9.83E-05 | 9.83E-05 | 7.61E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-04 | 4.98E-05 | 5.34E-05 | 7.44E-05 | 6.77E-05 | 1.09E-04 | 9.12E-05 | 6.98E-05 | 9.83E-05 | 9.83E-05 | 7.61E-05 |
| SKIN | G | 4.47E-05 | 4.28E-05 | 3.73E-05 | 3.34E-05 | 3.45E-05 | 3.85E-05 | 4.49E-05 | 3.98E-05 | 4.47E-05 | 4.47E-05 | 6.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.47E-05 | 4.28E-05 | 3.73E-05 | 3.34E-05 | 3.45E-05 | 3.85E-05 | 4.49E-05 | 3.98E-05 | 4.47E-05 | 4.47E-05 | 6.48E-05 |
| SPLEEN | G | 4.98E-04 | 1.49E-05 | 7.58E-04 | 1.08E-04 | 9.17E-05 | 5.74E-05 | 6.99E-04 | 6.48E-05 | 1.72E-04 | 1.72E-04 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.98E-04 | 1.49E-05 | 7.58E-04 | 1.08E-04 | 9.17E-05 | 5.74E-05 | 6.99E-04 | 6.48E-05 | 1.72E-04 | 1.72E-04 | 1.15E-04 |
| TESTES | G | 3.57E-06 | 3.51E-04 | 2.98E-06 | 2.29E-05 | 2.60E-05 | 1.43E-04 | 8.27E-06 | 6.11E-06 | 1.12E-06 | 1.12E-06 | 9.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.57E-06 | 3.51E-04 | 2.98E-06 | 2.29E-05 | 2.60E-05 | 1.43E-04 | 8.27E-06 | 6.11E-06 | 1.12E-06 | 1.12E-06 | 9.00E-05 |
| THYMUS | G | 4.15E-05 | 1.47E-06 | 1.66E-05 | 7.64E-06 | 8.51E-06 | 2.95E-06 | 1.87E-05 | 6.19E-05 | 2.93E-04 | 2.93E-04 | 1.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.15E-05 | 1.47E-06 | 1.66E-05 | 7.64E-06 | 8.51E-06 | 2.95E-06 | 1.87E-05 | 6.19E-05 | 2.93E-04 | 2.93E-04 | 1.77E-04 |
| THYROID | G | 1.12E-05 | 3.89E-07 | 8.43E-06 | 1.90E-06 | 2.05E-06 | 8.06E-07 | 4.96E-06 | 1.29E-05 | 6.71E-05 | 6.71E-05 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-05 | 3.89E-07 | 8.43E-06 | 1.90E-06 | 2.05E-06 | 8.06E-07 | 4.96E-06 | 1.29E-05 | 6.71E-05 | 6.71E-05 | 1.11E-04 |
| UTERUS | G | 8.79E-05 | 1.24E-03 | 5.56E-05 | 7.15E-04 | 3.42E-04 | 4.75E-04 | 6.31E-05 | 2.71E-05 | 6.22E-06 | 6.22E-06 | 1.69E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.79E-05 | 1.24E-03 | 5.56E-05 | 7.15E-04 | 3.42E-04 | 4.75E-04 | 6.31E-05 | 2.71E-05 | 6.22E-06 | 6.22E-06 | 1.69E-04 |
| T BODY | G | 1.36E-04 | 1.49E-04 | 1.43E-04 | 1.58E-04 | 1.54E-04 | 1.54E-04 | 1.36E-04 | 1.38E-04 | 1.21E-04 | 1.21E-04 | 1.11E-04 |
| | B | 4.01E-05 | 4.51E-06 | 1.20E-05 | 3.21E-05 | 1.91E-05 | 2.37E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 |
| | T | 1.76E-04 | 1.54E-04 | 1.55E-04 | 1.90E-04 | 1.73E-04 | 1.78E-04 | 1.76E-04 | 1.78E-04 | 1.61E-04 | 1.61E-04 | 1.51E-04 |

CONTINUED NEXT PAGE

56-BARIUM-133 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.07E-05 | 6.43E-04 | 1.01E-04 | 1.01E-04 | 1.61E-04 | 8.91E-05 | 5.32E-05 | 4.83E-04 | 3.57E-06 | 1.12E-05 | 1.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 3.07E-05 | 6.43E-04 | 1.01E-04 | 1.01E-04 | 1.61E-04 | 8.91E-05 | 5.32E-05 | 4.83E-04 | 3.57E-06 | 1.12E-05 | 1.92E-04 |
| BLAD WALL | G | 5.10E-04 | 1.12E-05 | 3.73E-05 | 3.73E-05 | 5.30E-05 | 2.26E-05 | 4.11E-05 | 9.71E-06 | 3.62E-04 | 3.92E-07 | 1.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 5.10E-04 | 1.12E-05 | 3.73E-05 | 3.73E-05 | 5.30E-05 | 2.26E-05 | 4.11E-05 | 9.71E-06 | 3.62E-04 | 3.92E-07 | 1.80E-04 |
| GI TRACT S WALL | G | 5.45E-05 | 1.49E-03 | 4.01E-05 | 4.01E-05 | 7.11E-05 | 5.29E-05 | 4.33E-05 | 7.53E-04 | 4.97E-06 | 5.25E-06 | 1.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 5.45E-05 | 1.49E-03 | 4.01E-05 | 4.01E-05 | 7.11E-05 | 5.29E-05 | 4.33E-05 | 7.53E-04 | 4.97E-06 | 5.25E-06 | 1.83E-04 |
| SI+CONT | G | 9.73E-04 | 1.24E-04 | 5.48E-05 | 5.48E-05 | 1.87E-04 | 7.50E-05 | 3.53E-05 | 9.58E-05 | 3.03E-05 | 7.35E-07 | 1.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 9.73E-04 | 1.24E-04 | 5.48E-05 | 5.48E-05 | 1.87E-04 | 7.50E-05 | 3.53E-05 | 9.58E-05 | 3.03E-05 | 7.35E-07 | 1.97E-04 |
| ULI WALL | G | 9.37E-04 | 1.50E-04 | 5.02E-05 | 5.02E-05 | 1.50E-04 | 6.40E-05 | 3.64E-05 | 9.22E-05 | 2.24E-05 | 6.97E-07 | 1.50E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 9.37E-04 | 1.50E-04 | 5.02E-05 | 5.02E-05 | 1.50E-04 | 6.40E-05 | 3.64E-05 | 9.22E-05 | 2.24E-05 | 6.97E-07 | 1.90E-04 |
| LLI WALL | G | 1.23E-03 | 3.72E-05 | 7.34E-05 | 7.34E-05 | 2.23E-04 | 6.43E-05 | 3.73E-05 | 4.44E-05 | 2.00E-04 | 6.65E-07 | 1.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 1.23E-03 | 3.72E-05 | 7.34E-05 | 7.34E-05 | 2.23E-04 | 6.43E-05 | 3.73E-05 | 4.44E-05 | 2.00E-04 | 6.65E-07 | 1.86E-04 |
| KIDNEYS | G | 6.91E-05 | 4.71E-04 | 6.32E-05 | 6.32E-05 | 1.62E-04 | 8.04E-05 | 5.07E-05 | 7.10E-04 | 4.82E-06 | 2.75E-06 | 1.35E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 6.91E-05 | 4.71E-04 | 6.32E-05 | 6.32E-05 | 1.62E-04 | 8.04E-05 | 5.07E-05 | 7.10E-04 | 4.82E-06 | 2.75E-06 | 1.75E-04 |
| LIVER | G | 3.92E-05 | 3.16E-04 | 4.82E-05 | 4.82E-05 | 6.83E-05 | 7.41E-05 | 4.38E-05 | 6.96E-05 | 2.87E-06 | 8.71E-06 | 1.35E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 3.92E-05 | 3.16E-04 | 4.82E-05 | 4.82E-05 | 6.83E-05 | 7.41E-05 | 4.38E-05 | 6.96E-05 | 2.87E-06 | 8.71E-06 | 1.75E-04 |
| LUNGS | G | 5.70E-06 | 1.81E-04 | 7.11E-05 | 7.11E-05 | 8.67E-05 | 7.36E-05 | 4.81E-05 | 1.72E-04 | 8.03E-07 | 6.86E-05 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 5.70E-06 | 1.81E-04 | 7.11E-05 | 7.11E-05 | 8.67E-05 | 7.36E-05 | 4.81E-05 | 1.72E-04 | 8.03E-07 | 6.86E-05 | 1.63E-04 |
| RESP LYM NODE | G | 5.70E-06 | 1.81E-04 | 7.11E-05 | 7.11E-05 | 8.67E-05 | 7.36E-05 | 4.81E-05 | 1.72E-04 | 8.03E-07 | 6.86E-05 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 5.70E-06 | 1.81E-04 | 7.11E-05 | 7.11E-05 | 8.67E-05 | 7.36E-05 | 4.81E-05 | 1.72E-04 | 8.03E-07 | 6.86E-05 | 1.63E-04 |
| MUSCLE* | G | 1.55E-04 | 1.42E-04 | 7.61E-05 | 7.61E-05 | 9.12E-05 | 7.04E-05 | 6.48E-05 | 1.15E-04 | 9.00E-05 | 1.11E-04 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 1.55E-04 | 1.42E-04 | 7.61E-05 | 7.61E-05 | 9.12E-05 | 7.04E-05 | 6.48E-05 | 1.15E-04 | 9.00E-05 | 1.11E-04 | 1.51E-04 |
| OVARIES | G | 7.40E-02 | 2.34E-05 | 6.44E-05 | 6.44E-05 | 2.09E-04 | 8.03E-05 | 2.80E-05 | 5.05E-05 | 7.95E-46 | 7.84E-07 | 1.41E-04 |
| | B | 2.55E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 3.29E-01 | 2.34E-05 | 6.44E-05 | 6.44E-05 | 2.09E-04 | 8.03E-05 | 2.80E-05 | 5.05E-05 | 7.95E-46 | 7.84E-07 | 1.81E-04 |

56-BARIUM-133 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.38E-05 | 1.99E-02 | 6.75E-05 | 6.75E-05 | 1.15E-04 | 8.81E-05 | 3.89E-05 | 1.63E-03 | 3.66E-06 | 5.67E-06 | 1.54E-04 |
| | B | 0.0 | 2.80E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 3.38E-05 | 4.79E-02 | 6.75E-05 | 6.75E-05 | 1.15E-04 | 8.81E-05 | 3.89E-05 | 1.63E-03 | 3.66E-06 | 5.67E-06 | 1.94E-04 |
| SKELETON BONE | G | 9.25E-05 | 8.39E-05 | 3.87E-04 | 3.87E-04 | 2.53E-04 | 2.93E-04 | 7.63E-05 | 7.19E-05 | 5.21E-05 | 6.21E-05 | 1.50E-04 |
| | B | 0.0 | 0.0 | 5.61E-04 | 4.89E-04 | 4.80E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 9.25E-05 | 8.39E-05 | 9.48E-04 | 8.76E-04 | 3.01E-04 | 2.93E-04 | 7.63E-05 | 7.19E-05 | 5.21E-05 | 6.21E-05 | 1.90E-04 |
| R MARROW | G | 3.31E-04 | 1.59E-04 | 3.50E-04 | 3.50E-04 | 8.87E-04 | 2.98E-04 | 7.13E-05 | 1.03E-04 | 4.13E-05 | 6.71E-05 | 1.70E-04 |
| | B | 0.0 | 0.0 | 3.44E-06 | 2.40E-04 | 1.70E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 3.31E-04 | 1.59E-04 | 3.53E-04 | 5.90E-04 | 2.59E-03 | 2.98E-04 | 7.13E-05 | 1.03E-04 | 4.13E-05 | 6.71E-05 | 2.10E-04 |
| Y MARROW | G | 1.25E-04 | 9.69E-05 | 3.43E-04 | 3.43E-04 | 3.27E-04 | 5.38E-04 | 8.34E-05 | 1.08E-04 | 2.03E-05 | 3.23E-05 | 1.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.87E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 1.25E-04 | 9.69E-05 | 3.43E-04 | 3.43E-04 | 3.27E-04 | 2.41E-03 | 8.34E-05 | 1.08E-04 | 2.03E-05 | 3.23E-05 | 1.83E-04 |
| T E CL | G | 9.25E-05 | 8.39E-05 | 3.84E-04 | 3.84E-04 | 3.61E-04 | 3.35E-04 | 7.63E-05 | 7.19E-05 | 5.21E-05 | 6.21E-05 | 1.50E-04 |
| | B | 0.0 | 0.0 | 2.33E-04 | 4.67E-04 | 6.24E-04 | 4.67E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 9.25E-05 | 8.39E-05 | 6.17E-04 | 8.51E-04 | 9.85E-04 | 8.02E-04 | 7.63E-05 | 7.19E-05 | 5.21E-05 | 6.21E-05 | 1.90E-04 |
| SKIN | G | 3.26E-05 | 3.16E-05 | 5.59E-05 | 5.59E-05 | 4.97E-05 | 6.33E-05 | 1.76E-04 | 3.98E-05 | 1.25E-04 | 6.45E-05 | 6.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08E-03 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 3.26E-05 | 3.16E-05 | 5.59E-05 | 5.59E-05 | 4.97E-05 | 6.33E-05 | 1.25E-03 | 3.98E-05 | 1.25E-04 | 6.45E-05 | 1.06E-04 |
| SPLEEN | G | 3.98E-05 | 1.62E-03 | 5.19E-05 | 5.19E-05 | 6.06E-05 | 7.26E-05 | 4.34E-05 | 1.20E-02 | 4.45E-06 | 7.89E-06 | 1.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.56E-02 | 0.0 | 0.0 | 4.01E-05 |
| | T | 3.98E-05 | 1.62E-03 | 5.19E-05 | 5.19E-05 | 6.06E-05 | 7.26E-05 | 4.34E-05 | 2.76E-02 | 4.45E-06 | 7.89E-06 | 1.81E-04 |
| TESTES | G | 7.95E-46 | 4.37E-06 | 4.12E-05 | 4.12E-05 | 2.51E-05 | 7.09E-05 | 8.05E-05 | 5.01E-06 | 3.35E-02 | 1.27E-07 | 1.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.01E-02 | 0.0 | 4.01E-05 |
| | T | 7.95E-46 | 4.37E-06 | 4.12E-05 | 4.12E-05 | 2.51E-05 | 7.09E-05 | 8.05E-05 | 5.01E-06 | 1.14E-01 | 1.27E-07 | 1.52E-04 |
| THYMUS | G | 3.03E-06 | 4.51E-05 | 4.10E-05 | 4.10E-05 | 4.44E-05 | 4.31E-05 | 5.30E-05 | 2.64E-05 | 4.60E-07 | 3.12E-04 | 1.50E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 3.03E-06 | 4.51E-05 | 4.10E-05 | 4.10E-05 | 4.44E-05 | 4.31E-05 | 5.30E-05 | 2.64E-05 | 4.60E-07 | 3.12E-04 | 1.91E-04 |
| THYROID | G | 7.85E-07 | 1.06E-05 | 6.91E-05 | 6.91E-05 | 5.42E-05 | 6.34E-05 | 6.20E-05 | 8.14E-06 | 1.27E-07 | 4.60E-02 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-01 | 4.01E-05 |
| | T | 7.85E-07 | 1.06E-05 | 6.91E-05 | 6.91E-05 | 5.42E-05 | 6.34E-05 | 6.20E-05 | 8.14E-06 | 1.27E-07 | 1.86E-01 | 1.44E-04 |
| UTERUS | G | 1.60E-03 | 4.09E-05 | 4.14E-05 | 4.14E-05 | 1.47E-04 | 4.54E-05 | 3.24E-05 | 2.78E-05 | 7.95E-46 | 7.39E-07 | 1.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.01E-05 |
| | T | 1.60E-03 | 4.09E-05 | 4.14E-05 | 4.14E-05 | 1.47E-04 | 4.54E-05 | 3.24E-05 | 2.78E-05 | 7.95E-46 | 7.39E-07 | 1.93E-04 |
| T BODY | G | 1.61E-04 | 1.58E-04 | 1.21E-04 | 1.21E-04 | 1.32E-04 | 1.08E-04 | 6.82E-05 | 1.37E-04 | 1.11E-04 | 1.06E-04 | 1.17E-04 |
| | B | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 | 4.01E-05 |
| | T | 2.01E-04 | 1.98E-04 | 1.61E-04 | 1.61E-04 | 1.72E-04 | 1.48E-04 | 1.08E-04 | 1.77E-04 | 1.51E-04 | 1.46E-04 | 1.57E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-SCHMIDT-OTT, W. D. AND FINK, R. W., Z. PHYSIK 249, 286 (1972)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), DATE OF TABLE 04-02-75
FOR 56-BARIUM-135M (TR=2.870E 01 HOURS)

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 9.87E-03 | 1.50E-06 | 2.09E-05 | 1.18E-05 | 8.05E-06 | 3.55E-06 | 1.51E-04 | 5.86E-05 | 2.44E-05 | 2.44E-05 | 1.93E-05 |
| | B | 7.71E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.81E-01 | 1.50E-06 | 2.09E-05 | 1.18E-05 | 8.05E-06 | 3.55E-06 | 1.51E-04 | 5.86E-05 | 2.44E-05 | 2.44E-05 | 1.93E-05 |
| BLAD WALL | G | 8.71E-07 | 1.29E-03 | 2.07E-06 | 2.57E-05 | 1.89E-05 | 6.98E-05 | 2.45E-06 | 1.48E-06 | 4.14E-07 | 4.14E-07 | 2.10E-05 |
| | B | 0.0 | 2.70E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.71E-07 | 2.83E-02 | 2.07E-06 | 2.57E-05 | 1.89E-05 | 6.98E-05 | 2.45E-06 | 1.48E-06 | 4.14E-07 | 4.14E-07 | 2.10E-05 |
| GI TRACT S WALL | G | 2.67E-05 | 2.20E-06 | 9.07E-04 | 3.86E-05 | 4.54E-05 | 1.76E-05 | 3.22E-05 | 1.81E-05 | 2.04E-05 | 2.04E-05 | 1.65E-05 |
| | B | 0.0 | 0.0 | 2.16E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.67E-05 | 2.20E-06 | 2.25E-02 | 3.86E-05 | 4.54E-05 | 1.76E-05 | 3.22E-05 | 1.81E-05 | 2.04E-05 | 2.04E-05 | 1.65E-05 |
| SI+CONT | G | 6.88E-06 | 2.57E-05 | 2.53E-05 | 5.19E-04 | 2.41E-04 | 1.30E-04 | 2.68E-05 | 1.50E-05 | 1.65E-06 | 1.65E-06 | 1.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.35E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.88E-06 | 2.57E-05 | 2.53E-05 | 1.40E-02 | 2.41E-04 | 1.30E-04 | 2.68E-05 | 1.50E-05 | 1.65E-06 | 1.65E-06 | 1.74E-05 |
| ULI WALL | G | 7.54E-06 | 2.03E-05 | 3.93E-05 | 3.88E-04 | 7.41E-04 | 5.56E-05 | 2.68E-05 | 2.56E-05 | 2.09E-06 | 2.09E-06 | 1.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.54E-06 | 2.03E-05 | 3.93E-05 | 3.88E-04 | 2.53E-02 | 5.56E-05 | 2.68E-05 | 2.56E-05 | 2.09E-06 | 2.09E-06 | 1.86E-05 |
| LLI WALL | G | 1.94E-06 | 8.16E-05 | 1.13E-05 | 1.02E-04 | 3.66E-05 | 9.09E-04 | 6.94E-06 | 1.93E-06 | 7.82E-07 | 7.82E-07 | 1.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.00E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.94E-06 | 8.16E-05 | 1.13E-05 | 1.02E-04 | 3.66E-05 | 4.09E-02 | 6.94E-06 | 1.93E-06 | 7.82E-07 | 7.82E-07 | 1.90E-05 |
| KIDNEYS | G | 1.59E-04 | 2.28E-06 | 3.32E-05 | 2.88E-05 | 2.57E-05 | 7.78E-06 | 1.37E-03 | 4.14E-05 | 7.92E-06 | 7.92E-06 | 1.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.48E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.59E-04 | 2.28E-06 | 3.32E-05 | 2.88E-05 | 2.57E-05 | 7.78E-06 | 3.62E-02 | 4.14E-05 | 7.92E-06 | 7.92E-06 | 1.74E-05 |
| LIVER | G | 5.80E-05 | 1.72E-06 | 1.83E-05 | 1.77E-05 | 2.55E-05 | 2.25E-06 | 4.15E-05 | 4.28E-04 | 2.95E-05 | 2.95E-05 | 1.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.00E-03 | 0.0 | 0.0 | 0.0 |
| | T | 5.80E-05 | 1.72E-06 | 1.83E-05 | 1.77E-05 | 2.55E-05 | 2.25E-06 | 4.15E-05 | 6.42E-03 | 2.95E-05 | 2.95E-05 | 1.25E-05 |
| LUNGS | G | 2.68E-05 | 2.26E-07 | 1.94E-05 | 2.07E-06 | 2.23E-06 | 6.76E-07 | 7.52E-06 | 3.15E-05 | 3.03E-04 | 3.03E-04 | 1.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08E-02 | 1.08E-02 | 0.0 |
| | T | 2.68E-05 | 2.26E-07 | 1.94E-05 | 2.07E-06 | 2.23E-06 | 6.76E-07 | 7.52E-06 | 3.15E-05 | 1.11E-02 | 1.11E-02 | 1.76E-05 |
| RESP LYM NODE | G | 2.68E-05 | 2.26E-07 | 1.94E-05 | 2.07E-06 | 2.23E-06 | 6.76E-07 | 7.52E-06 | 3.15E-05 | 2.89E-04 | 3.03E-04 | 1.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-02 | 7.19E-01 | 0.0 |
| | T | 2.68E-05 | 2.26E-07 | 1.94E-05 | 2.07E-06 | 2.23E-06 | 6.76E-07 | 7.52E-06 | 3.15E-05 | 1.09E-02 | 7.20E-01 | 1.76E-05 |
| MUSCLE* | G | 1.93E-05 | 2.10E-05 | 1.65E-05 | 1.74E-05 | 1.66E-05 | 1.90E-05 | 1.74E-05 | 1.25E-05 | 1.76E-05 | 1.76E-05 | 2.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.85E-04 |
| | T | 1.93E-05 | 2.10E-05 | 1.65E-05 | 1.74E-05 | 1.66E-05 | 1.90E-05 | 1.74E-05 | 1.25E-05 | 1.76E-05 | 1.76E-05 | 4.05E-04 |
| OVARIES | G | 4.30E-06 | 7.78E-05 | 3.72E-06 | 1.27E-04 | 1.46E-04 | 2.79E-04 | 9.68E-06 | 3.45E-06 | 9.74E-07 | 9.74E-07 | 2.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.30E-06 | 7.78E-05 | 3.72E-06 | 1.27E-04 | 1.46E-04 | 2.79E-04 | 9.68E-06 | 3.45E-06 | 9.74E-07 | 9.74E-07 | 2.45E-05 |

56-BARIUM-135M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 9.52E-05 | 2.20E-06 | 2.44E-04 | 1.77E-05 | 1.96E-05 | 5.76E-06 | 6.82E-05 | 4.39E-05 | 2.67E-05 | 2.67E-05 | 2.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.52E-05 | 2.20E-06 | 2.44E-04 | 1.77E-05 | 1.96E-05 | 5.76E-06 | 6.82E-05 | 4.39E-05 | 2.67E-05 | 2.67E-05 | 2.28E-05 |
| SKELETON BONE | G | 2.35E-05 | 6.60E-06 | 7.96E-06 | 1.17E-05 | 1.06E-05 | 1.99E-05 | 1.48E-05 | 1.14E-05 | 1.71E-05 | 1.71E-05 | 1.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.35E-05 | 6.60E-06 | 7.96E-06 | 1.17E-05 | 1.06E-05 | 1.99E-05 | 1.48E-05 | 1.14E-05 | 1.71E-05 | 1.71E-05 | 1.04E-05 |
| R MARROW | G | 4.00E-05 | 1.60E-05 | 1.27E-05 | 4.12E-05 | 3.65E-05 | 7.03E-05 | 3.87E-05 | 1.44E-05 | 2.08E-05 | 2.08E-05 | 2.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.00E-05 | 1.60E-05 | 1.27E-05 | 4.12E-05 | 3.65E-05 | 7.03E-05 | 3.87E-05 | 1.44E-05 | 2.08E-05 | 2.08E-05 | 2.45E-05 |
| Y MARROW | G | 2.21E-05 | 6.33E-06 | 1.12E-05 | 1.63E-05 | 1.52E-05 | 2.59E-05 | 1.80E-05 | 1.74E-05 | 1.87E-05 | 1.87E-05 | 1.95E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.21E-05 | 6.33E-06 | 1.12E-05 | 1.63E-05 | 1.52E-05 | 2.59E-05 | 1.80E-05 | 1.74E-05 | 1.87E-05 | 1.87E-05 | 1.95E-05 |
| T E CL | G | 2.35E-05 | 6.60E-06 | 7.96E-06 | 1.17E-05 | 1.06E-05 | 1.99E-05 | 1.48E-05 | 1.14E-05 | 1.71E-05 | 1.71E-05 | 1.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.35E-05 | 6.60E-06 | 7.96E-06 | 1.17E-05 | 1.06E-05 | 1.99E-05 | 1.48E-05 | 1.14E-05 | 1.71E-05 | 1.71E-05 | 1.04E-05 |
| SKIN | G | 6.19E-06 | 5.73E-06 | 4.94E-06 | 4.18E-06 | 4.37E-06 | 5.00E-06 | 6.41E-06 | 5.38E-06 | 6.09E-06 | 6.09E-06 | 1.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.19E-06 | 5.73E-06 | 4.94E-06 | 4.18E-06 | 4.37E-06 | 5.00E-06 | 6.41E-06 | 5.38E-06 | 6.09E-06 | 6.09E-06 | 1.02E-05 |
| SPLEEN | G | 7.56E-05 | 1.23E-06 | 1.17E-04 | 1.39E-05 | 1.18E-05 | 6.68E-06 | 1.18E-04 | 7.84E-06 | 2.70E-05 | 2.70E-05 | 1.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.56E-05 | 1.23E-06 | 1.17E-04 | 1.39E-05 | 1.18E-05 | 6.68E-06 | 1.18E-04 | 7.84E-06 | 2.70E-05 | 2.70E-05 | 1.83E-05 |
| TESTES | G | 3.80E-07 | 4.80E-05 | 4.27E-07 | 2.69E-06 | 2.74E-06 | 1.91E-05 | 9.17E-07 | 6.69E-07 | 1.13E-07 | 1.13E-07 | 1.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.80E-07 | 4.80E-05 | 4.27E-07 | 2.69E-06 | 2.74E-06 | 1.91E-05 | 9.17E-07 | 6.69E-07 | 1.13E-07 | 1.13E-07 | 1.34E-05 |
| THYMUS | G | 3.87E-06 | 1.50E-07 | 2.00E-06 | 8.45E-07 | 9.38E-07 | 3.14E-07 | 1.80E-06 | 6.04E-06 | 4.39E-05 | 4.39E-05 | 3.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.87E-06 | 1.50E-07 | 2.00E-06 | 8.45E-07 | 9.38E-07 | 3.14E-07 | 1.80E-06 | 6.04E-06 | 4.39E-05 | 4.39E-05 | 3.01E-05 |
| THYROID | G | 1.26E-06 | 3.63E-08 | 9.39E-07 | 1.96E-07 | 2.13E-07 | 7.97E-08 | 5.37E-07 | 1.61E-06 | 7.50E-06 | 7.50E-06 | 1.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.26E-06 | 3.63E-08 | 9.39E-07 | 1.96E-07 | 2.13E-07 | 7.97E-08 | 5.37E-07 | 1.61E-06 | 7.50E-06 | 7.50E-06 | 1.89E-05 |
| UTERUS | G | 1.43E-05 | 2.03E-04 | 6.44E-06 | 1.13E-04 | 4.74E-05 | 6.98E-05 | 7.99E-06 | 3.10E-06 | 7.36E-07 | 7.36E-07 | 2.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.43E-05 | 2.03E-04 | 6.44E-06 | 1.13E-04 | 4.74E-05 | 6.98E-05 | 7.99E-06 | 3.10E-06 | 7.36E-07 | 7.36E-07 | 2.81E-05 |
| T BODY | G | 2.26E-05 | 2.45E-05 | 2.37E-05 | 2.58E-05 | 2.52E-05 | 2.54E-05 | 2.24E-05 | 2.30E-05 | 2.10E-05 | 2.10E-05 | 1.83E-05 |
| | B | 1.54E-04 | 1.73E-05 | 4.63E-05 | 1.23E-04 | 7.36E-05 | 9.14E-05 | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 |
| | T | 1.77E-04 | 4.18E-05 | 6.99E-05 | 1.49E-04 | 9.88E-05 | 1.17E-04 | 1.77E-04 | 1.77E-04 | 1.75E-04 | 1.75E-04 | 1.72E-04 |

CONTINUED NEXT PAGE

56-BARIUM-135M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 3.20E-06 | 9.48E-05 | 1.28E-05 | 1.28E-05 | 2.44E-05 | 1.30E-05 | 7.83E-06 | 7.48E-05 | 3.80E-07 | 1.26E-06 | 2.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 3.20E-06 | 9.48E-05 | 1.28E-05 | 1.28E-05 | 2.44E-05 | 1.30E-05 | 7.83E-06 | 7.48E-05 | 3.80E-07 | 1.26E-06 | 1.77E-04 |
| BLAD WALL | G | 7.36E-05 | 1.23E-06 | 4.13E-06 | 4.13E-06 | 7.03E-06 | 3.15E-06 | 5.65E-06 | 1.23E-06 | 5.09E-05 | 3.66E-08 | 2.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 7.36E-05 | 1.23E-06 | 4.13E-06 | 4.13E-06 | 7.03E-06 | 3.15E-06 | 5.65E-06 | 1.23E-06 | 5.09E-05 | 3.66E-08 | 1.76E-04 |
| GI TRACT S WALL | G | 6.50E-06 | 2.58E-04 | 5.20E-06 | 5.20E-06 | 9.22E-06 | 7.07E-06 | 5.95E-06 | 1.15E-04 | 4.68E-07 | 4.61E-07 | 2.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 6.50E-06 | 2.58E-04 | 5.20E-06 | 5.20E-06 | 9.22E-06 | 7.07E-06 | 5.95E-06 | 1.15E-04 | 4.68E-07 | 4.61E-07 | 1.77E-04 |
| SI+CONT | G | 1.63E-04 | 1.55E-05 | 7.22E-06 | 7.22E-06 | 2.50E-05 | 1.01E-05 | 4.47E-06 | 1.20E-05 | 3.37E-06 | 1.04E-07 | 2.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 1.63E-04 | 1.55E-05 | 7.22E-06 | 7.22E-06 | 2.50E-05 | 1.01E-05 | 4.47E-06 | 1.20E-05 | 3.37E-06 | 1.04E-07 | 1.80E-04 |
| ULI WALL | G | 1.63E-04 | 1.91E-05 | 6.67E-06 | 6.67E-06 | 2.06E-05 | 8.69E-06 | 4.66E-06 | 1.14E-05 | 2.74E-06 | 8.12E-08 | 2.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 1.63E-04 | 1.91E-05 | 6.67E-06 | 6.67E-06 | 2.06E-05 | 8.69E-06 | 4.66E-06 | 1.14E-05 | 2.74E-06 | 8.12E-08 | 1.79E-04 |
| LLI WALL | G | 2.19E-04 | 4.55E-06 | 1.06E-05 | 1.06E-05 | 3.25E-05 | 9.41E-06 | 4.64E-06 | 5.30E-06 | 2.69E-05 | 6.53E-08 | 2.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 2.19E-04 | 4.55E-06 | 1.06E-05 | 1.06E-05 | 3.25E-05 | 9.41E-06 | 4.64E-06 | 5.30E-06 | 2.69E-05 | 6.53E-08 | 1.78E-04 |
| KIDNEYS | G | 8.03E-06 | 6.82E-05 | 8.38E-06 | 8.38E-06 | 2.12E-05 | 1.05E-05 | 7.23E-06 | 1.18E-04 | 4.92E-07 | 3.03E-07 | 2.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 8.03E-06 | 6.82E-05 | 8.38E-06 | 8.38E-06 | 2.12E-05 | 1.05E-05 | 7.23E-06 | 1.18E-04 | 4.92E-07 | 3.03E-07 | 1.76E-04 |
| LIVER | G | 4.66E-06 | 4.59E-05 | 6.41E-06 | 6.41E-06 | 8.70E-06 | 1.00E-05 | 5.86E-06 | 8.32E-06 | 3.20E-07 | 9.57E-07 | 2.23E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 4.66E-06 | 4.59E-05 | 6.41E-06 | 6.41E-06 | 8.70E-06 | 1.00E-05 | 5.86E-06 | 8.32E-06 | 3.20E-07 | 9.57E-07 | 1.76E-04 |
| LUNGS | G | 5.96E-07 | 2.60E-05 | 9.98E-06 | 9.98E-06 | 1.21E-05 | 1.07E-05 | 6.88E-06 | 2.66E-05 | 9.24E-08 | 8.44E-06 | 2.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 5.96E-07 | 2.60E-05 | 9.98E-06 | 9.98E-06 | 1.21E-05 | 1.07E-05 | 6.88E-06 | 2.66E-05 | 9.24E-08 | 8.44E-06 | 1.75E-04 |
| RESP LYM NODE | G | 5.96E-07 | 2.60E-05 | 9.98E-06 | 9.98E-06 | 1.21E-05 | 1.07E-05 | 6.88E-06 | 2.66E-05 | 9.24E-08 | 8.44E-06 | 2.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 5.96E-07 | 2.60E-05 | 9.98E-06 | 9.98E-06 | 1.21E-05 | 1.07E-05 | 6.88E-06 | 2.66E-05 | 9.24E-08 | 8.44E-06 | 1.75E-04 |
| MUSCLE* | G | 2.45E-05 | 2.28E-05 | 1.04E-05 | 1.04E-05 | 1.26E-05 | 9.83E-06 | 1.02E-05 | 1.83E-05 | 1.34E-05 | 1.89E-05 | 1.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 2.45E-05 | 2.28E-05 | 1.04E-05 | 1.04E-05 | 1.26E-05 | 9.83E-06 | 1.02E-05 | 1.83E-05 | 1.34E-05 | 1.89E-05 | 1.72E-04 |
| OVARIES | G | 1.66E-02 | 2.61E-06 | 8.83E-06 | 8.83E-06 | 2.43E-05 | 1.09E-05 | 4.07E-06 | 5.17E-06 | 4.19E-46 | 7.64E-08 | 2.33E-05 |
| | B | 9.81E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 9.98E-01 | 2.61E-06 | 8.83E-06 | 8.83E-06 | 2.43E-05 | 1.09E-05 | 4.07E-06 | 5.17E-06 | 4.19E-46 | 7.64E-08 | 1.78E-04 |

56-BARIUM-135M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.84E-06 | 4.24E-03 | 9.04E-06 | 9.04E-06 | 1.43E-05 | 1.11E-05 | 5.05E-06 | 2.86E-04 | 5.00E-07 | 7.49E-07 | 2.56E-05 |
| | B | 0.0 | 1.08E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 3.84E-06 | 1.12E-01 | 9.04E-06 | 9.04E-06 | 1.43E-05 | 1.11E-05 | 5.05E-06 | 2.86E-04 | 5.00E-07 | 7.49E-07 | 1.80E-04 |
| SKELETON BONE | G | 1.53E-05 | 1.26E-05 | 8.29E-05 | 8.29E-05 | 5.31E-05 | 6.40E-05 | 1.35E-05 | 1.16E-05 | 6.77E-06 | 8.88E-06 | 2.83E-05 |
| | B | 0.0 | 0.0 | 2.16E-03 | 1.40E-03 | 5.05E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 1.53E-05 | 1.26E-05 | 2.24E-03 | 1.48E-03 | 5.58E-04 | 6.40E-05 | 1.35E-05 | 1.16E-05 | 6.77E-06 | 8.88E-06 | 1.83E-04 |
| R MARROW | G | 5.70E-05 | 2.38E-05 | 7.56E-05 | 7.56E-05 | 2.01E-04 | 6.44E-05 | 1.25E-05 | 1.55E-05 | 5.27E-06 | 9.31E-06 | 3.24E-05 |
| | B | 0.0 | 0.0 | 4.27E-05 | 2.52E-03 | 5.40E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 5.70E-05 | 2.38E-05 | 1.18E-04 | 2.60E-03 | 5.60E-03 | 6.44E-05 | 1.25E-05 | 1.55E-05 | 5.27E-06 | 9.31E-06 | 1.87E-04 |
| Y MARROW | G | 2.09E-05 | 1.43E-05 | 7.52E-05 | 7.52E-05 | 7.13E-05 | 1.27E-04 | 1.54E-05 | 1.75E-05 | 2.50E-06 | 4.56E-06 | 2.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.19E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 2.09E-05 | 1.43E-05 | 7.52E-05 | 7.52E-05 | 7.13E-05 | 7.32E-03 | 1.54E-05 | 1.75E-05 | 2.50E-06 | 4.56E-06 | 1.82E-04 |
| T E CL | G | 1.53E-05 | 1.26E-05 | 8.16E-05 | 8.16E-05 | 8.02E-05 | 7.63E-05 | 1.35E-05 | 1.16E-05 | 6.77E-06 | 8.88E-06 | 2.85E-05 |
| | B | 0.0 | 0.0 | 1.35E-03 | 2.43E-03 | 1.98E-03 | 1.80E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 1.53E-05 | 1.26E-05 | 1.44E-03 | 2.51E-03 | 2.06E-03 | 1.87E-03 | 1.35E-05 | 1.16E-05 | 6.77E-06 | 8.88E-06 | 1.83E-04 |
| SKIN | G | 3.96E-06 | 3.87E-06 | 7.51E-06 | 7.51E-06 | 6.76E-06 | 8.74E-06 | 3.72E-05 | 5.24E-06 | 2.17E-05 | 1.03E-05 | 1.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.15E-03 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 3.96E-06 | 3.87E-06 | 7.51E-06 | 7.51E-06 | 6.76E-06 | 8.74E-06 | 4.19E-03 | 5.24E-06 | 2.17E-05 | 1.03E-05 | 1.65E-04 |
| SPLEEN | G | 4.46E-06 | 2.82E-04 | 6.79E-06 | 6.79E-06 | 8.04E-06 | 9.89E-06 | 5.76E-06 | 2.47E-03 | 3.31E-07 | 9.09E-07 | 2.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.00E-02 | 0.0 | 0.0 | 1.54E-04 |
| | T | 4.46E-06 | 2.82E-04 | 6.79E-06 | 6.79E-06 | 8.04E-06 | 9.89E-06 | 5.76E-06 | 6.24E-02 | 3.31E-07 | 9.09E-07 | 1.77E-04 |
| TESTES | G | 4.19E-46 | 5.40E-07 | 5.27E-06 | 5.27E-06 | 2.76E-06 | 9.04E-06 | 1.48E-05 | 5.43E-07 | 7.15E-03 | 1.10E-08 | 1.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.08E-01 | 0.0 | 1.54E-04 |
| | T | 4.19E-46 | 5.40E-07 | 5.27E-06 | 5.27E-06 | 2.76E-06 | 9.04E-06 | 1.48E-05 | 5.43E-07 | 3.15E-01 | 1.10E-08 | 1.71E-04 |
| THYMUS | G | 3.20E-07 | 5.96E-06 | 4.62E-06 | 4.62E-06 | 6.28E-06 | 7.02E-06 | 6.74E-06 | 2.92E-06 | 4.34E-08 | 4.22E-05 | 2.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 3.20E-07 | 5.96E-06 | 4.62E-06 | 4.62E-06 | 6.28E-06 | 7.02E-06 | 6.74E-06 | 2.92E-06 | 4.34E-08 | 4.22E-05 | 1.79E-04 |
| THYROID | G | 7.65E-08 | 1.19E-06 | 8.80E-06 | 8.80E-06 | 6.50E-06 | 9.83E-06 | 9.88E-06 | 9.02E-07 | 1.10E-08 | 1.01E-02 | 1.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.40E-01 | 1.54E-04 |
| | T | 7.65E-08 | 1.19E-06 | 8.80E-06 | 8.80E-06 | 6.50E-06 | 9.83E-06 | 9.88E-06 | 9.02E-07 | 1.10E-08 | 5.50E-01 | 1.71E-04 |
| UTERUS | G | 2.68E-04 | 4.88E-06 | 5.56E-06 | 5.56E-06 | 1.94E-05 | 5.80E-06 | 3.81E-06 | 3.11E-06 | 4.19E-46 | 7.17E-08 | 2.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-04 |
| | T | 2.68E-04 | 4.88E-06 | 5.56E-06 | 5.56E-06 | 1.94E-05 | 5.80E-06 | 3.81E-06 | 3.11E-06 | 4.19E-46 | 7.17E-08 | 1.79E-04 |
| T BODY | G | 2.64E-05 | 2.60E-05 | 2.10E-05 | 2.10E-05 | 2.23E-05 | 1.91E-05 | 1.12E-05 | 2.31E-05 | 1.84E-05 | 1.82E-05 | 1.98E-05 |
| | B | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 | 1.54E-04 |
| | T | 1.81E-04 | 1.80E-04 | 1.75E-04 | 1.75E-04 | 1.77E-04 | 1.73E-04 | 1.65E-04 | 1.77E-04 | 1.73E-04 | 1.72E-04 | 1.74E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-APRIL 1971

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 56-BARIUM-137M (TR=2.552E 00 MIN)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.82E-02 | 2.46E-05 | 2.19E-04 | 1.26E-04 | 1.12E-04 | 5.12E-05 | 1.29E-03 | 5.02E-04 | 2.50E-04 | 2.50E-04 | 1.59E-04 |
| | B | 2.37E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.85E-01 | 2.46E-05 | 2.19E-04 | 1.26E-04 | 1.12E-04 | 5.12E-05 | 1.29E-03 | 5.02E-04 | 2.50E-04 | 2.50E-04 | 1.59E-04 |
| BLAD WALL | G | 1.61E-05 | 7.56E-03 | 4.87E-05 | 3.10E-04 | 2.04E-04 | 5.61E-04 | 4.27E-05 | 3.05E-05 | 8.28E-06 | 8.28E-06 | 1.83E-04 |
| | B | 0.0 | 8.30E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.61E-05 | 1.59E-02 | 4.87E-05 | 3.10E-04 | 2.04E-04 | 5.61E-04 | 4.27E-05 | 3.05E-05 | 8.28E-06 | 8.28E-06 | 1.83E-04 |
| GI TRACT S WALL | G | 3.04E-04 | 4.09E-05 | 5.38E-03 | 3.53E-04 | 3.72E-04 | 1.78E-04 | 3.44E-04 | 1.98E-04 | 1.93E-04 | 1.93E-04 | 1.46E-04 |
| | B | 0.0 | 0.0 | 6.64E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.04E-04 | 4.09E-05 | 1.20E-02 | 3.53E-04 | 3.72E-04 | 1.78E-04 | 3.44E-04 | 1.98E-04 | 1.93E-04 | 1.93E-04 | 1.46E-04 |
| SI+CONT | G | 9.87E-05 | 2.72E-04 | 2.68E-04 | 3.18E-03 | 1.67E-03 | 9.20E-04 | 2.83E-04 | 1.63E-04 | 3.03E-05 | 3.03E-05 | 1.60E-04 |
| | B | 0.0 | 0.0 | 0.0 | 4.15E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.87E-05 | 2.72E-04 | 2.68E-04 | 7.33E-03 | 1.67E-03 | 9.20E-04 | 2.83E-04 | 1.63E-04 | 3.03E-05 | 3.03E-05 | 1.60E-04 |
| ULI WALL | G | 1.11E-04 | 2.30E-04 | 3.30E-04 | 2.35E-03 | 4.45E-03 | 4.26E-04 | 2.95E-04 | 2.59E-04 | 4.07E-05 | 4.07E-05 | 1.69E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.55E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-04 | 2.30E-04 | 3.30E-04 | 2.35E-03 | 1.20E-02 | 4.26E-04 | 2.95E-04 | 2.59E-04 | 4.07E-05 | 4.07E-05 | 1.69E-04 |
| LLI WALL | G | 3.32E-05 | 7.12E-04 | 1.34E-04 | 6.99E-04 | 3.20E-04 | 5.32E-03 | 9.04E-05 | 3.18E-05 | 8.69E-06 | 8.69E-06 | 1.75E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.32E-05 | 7.12E-04 | 1.34E-04 | 6.99E-04 | 3.20E-04 | 1.76E-02 | 9.04E-05 | 3.18E-05 | 8.69E-06 | 8.69E-06 | 1.75E-04 |
| KIDNEYS | G | 1.18E-03 | 3.89E-05 | 3.38E-04 | 3.27E-04 | 2.85E-04 | 8.88E-05 | 7.54E-03 | 3.85E-04 | 1.06E-04 | 1.06E-04 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-03 | 3.89E-05 | 3.38E-04 | 3.27E-04 | 2.85E-04 | 8.88E-05 | 1.82E-02 | 3.85E-04 | 1.06E-04 | 1.06E-04 | 1.49E-04 |
| LIVER | G | 4.97E-04 | 3.01E-05 | 2.07E-04 | 1.88E-04 | 2.54E-04 | 3.73E-05 | 4.06E-04 | 2.65E-03 | 2.46E-04 | 2.46E-04 | 1.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-03 | 0.0 | 0.0 | 0.0 |
| | T | 4.97E-04 | 3.01E-05 | 2.07E-04 | 1.88E-04 | 2.54E-04 | 3.73E-05 | 4.06E-04 | 4.49E-03 | 2.46E-04 | 2.46E-04 | 1.16E-04 |
| LUNGS | G | 2.41E-04 | 6.18E-06 | 1.89E-04 | 3.53E-05 | 3.77E-05 | 1.26E-05 | 1.00E-04 | 2.49E-04 | 1.51E-03 | 1.51E-03 | 1.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.32E-03 | 3.32E-03 | 0.0 |
| | T | 2.41E-04 | 6.18E-06 | 1.89E-04 | 3.53E-05 | 3.77E-05 | 1.26E-05 | 1.00E-04 | 2.49E-04 | 4.83E-03 | 4.83E-03 | 1.39E-04 |
| RESP LYM NODE | G | 2.41E-04 | 6.18E-06 | 1.89E-04 | 3.53E-05 | 3.77E-05 | 1.26E-05 | 1.00E-04 | 2.49E-04 | 1.50E-03 | 1.51E-03 | 1.39E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.30E-03 | 2.21E-01 | 0.0 |
| | T | 2.41E-04 | 6.18E-06 | 1.89E-04 | 3.53E-05 | 3.77E-05 | 1.26E-05 | 1.00E-04 | 2.49E-04 | 4.80E-03 | 2.23E-01 | 1.39E-04 |
| MUSCLE* | G | 1.59E-04 | 1.83E-04 | 1.46E-04 | 1.60E-04 | 1.53E-04 | 1.75E-04 | 1.49E-04 | 1.16E-04 | 1.39E-04 | 1.39E-04 | 1.58E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.19E-04 |
| | T | 1.59E-04 | 1.83E-04 | 1.46E-04 | 1.60E-04 | 1.53E-04 | 1.75E-04 | 1.49E-04 | 1.16E-04 | 1.39E-04 | 1.39E-04 | 2.76E-04 |
| OVARIES | G | 5.65E-05 | 5.83E-04 | 8.50E-05 | 9.57E-04 | 1.14E-03 | 1.68E-03 | 1.35E-04 | 3.79E-05 | 1.65E-05 | 1.65E-05 | 2.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.65E-05 | 5.83E-04 | 8.50E-05 | 9.57E-04 | 1.14E-03 | 1.68E-03 | 1.35E-04 | 3.79E-05 | 1.65E-05 | 1.65E-05 | 2.05E-04 |

56-BARIUM-137M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 8.76E-04 | 2.82E-05 | 1.77E-03 | 2.12E-04 | 1.93E-04 | 7.70E-05 | 6.87E-04 | 4.76E-04 | 2.69E-04 | 2.69E-04 | 1.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.76E-04 | 2.82E-05 | 1.77E-03 | 2.12E-04 | 1.93E-04 | 7.70E-05 | 6.87E-04 | 4.76E-04 | 2.69E-04 | 2.69E-04 | 1.85E-04 |
| SKELETON BONE | G | 1.41E-04 | 5.94E-05 | 6.19E-05 | 8.10E-05 | 7.37E-05 | 1.07E-04 | 1.01E-04 | 7.54E-05 | 1.04E-04 | 1.04E-04 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.41E-04 | 5.94E-05 | 6.19E-05 | 8.10E-05 | 7.37E-05 | 1.07E-04 | 1.01E-04 | 7.54E-05 | 1.04E-04 | 1.04E-04 | 1.15E-04 |
| R MARROW | G | 2.52E-04 | 1.26E-04 | 1.06E-04 | 2.56E-04 | 2.19E-04 | 3.22E-04 | 2.56E-04 | 1.09E-04 | 1.30E-04 | 1.30E-04 | 1.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.52E-04 | 1.26E-04 | 1.06E-04 | 2.56E-04 | 2.19E-04 | 3.22E-04 | 2.56E-04 | 1.09E-04 | 1.30E-04 | 1.30E-04 | 1.41E-04 |
| Y MARROW | G | 1.37E-04 | 5.46E-05 | 8.58E-05 | 1.12E-04 | 1.05E-04 | 1.33E-04 | 1.26E-04 | 1.11E-04 | 1.09E-04 | 1.09E-04 | 1.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.37E-04 | 5.46E-05 | 8.58E-05 | 1.12E-04 | 1.05E-04 | 1.33E-04 | 1.26E-04 | 1.11E-04 | 1.09E-04 | 1.09E-04 | 1.16E-04 |
| T E CL | G | 1.41E-04 | 5.94E-05 | 6.19E-05 | 8.10E-05 | 7.37E-05 | 1.07E-04 | 1.01E-04 | 7.54E-05 | 1.04E-04 | 1.04E-04 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.41E-04 | 5.94E-05 | 6.19E-05 | 8.10E-05 | 7.37E-05 | 1.07E-04 | 1.01E-04 | 7.54E-05 | 1.04E-04 | 1.04E-04 | 1.15E-04 |
| SKIN | G | 7.25E-05 | 6.94E-05 | 6.26E-05 | 5.67E-05 | 5.79E-05 | 6.20E-05 | 6.94E-05 | 6.34E-05 | 7.11E-05 | 7.11E-05 | 9.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.25E-05 | 6.94E-05 | 6.26E-05 | 5.67E-05 | 5.79E-05 | 6.20E-05 | 6.94E-05 | 6.34E-05 | 7.11E-05 | 7.11E-05 | 9.63E-05 |
| SPLEEN | G | 6.52E-04 | 2.45E-05 | 9.77E-04 | 1.61E-04 | 1.32E-04 | 1.02E-04 | 8.59E-04 | 1.08E-04 | 2.23E-04 | 2.23E-04 | 1.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.52E-04 | 2.45E-05 | 9.77E-04 | 1.61E-04 | 1.32E-04 | 1.02E-04 | 8.59E-04 | 1.08E-04 | 2.23E-04 | 2.23E-04 | 1.53E-04 |
| TESTES | G | 7.99E-06 | 5.17E-04 | 7.28E-06 | 4.32E-05 | 5.54E-05 | 1.95E-04 | 1.63E-05 | 1.67E-05 | 2.93E-06 | 2.93E-06 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.99E-06 | 5.17E-04 | 7.28E-06 | 4.32E-05 | 5.54E-05 | 1.95E-04 | 1.63E-05 | 1.67E-05 | 2.93E-06 | 2.93E-06 | 1.29E-04 |
| THYMUS | G | 8.76E-05 | 3.77E-06 | 4.43E-05 | 1.52E-05 | 1.65E-05 | 6.60E-06 | 3.17E-05 | 1.21E-04 | 3.95E-04 | 3.95E-04 | 1.63E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.76E-05 | 3.77E-06 | 4.43E-05 | 1.52E-05 | 1.65E-05 | 6.60E-06 | 3.17E-05 | 1.21E-04 | 3.95E-04 | 3.95E-04 | 1.63E-04 |
| THYROID | G | 2.13E-05 | 1.23E-06 | 1.65E-05 | 4.65E-06 | 4.96E-06 | 2.21E-06 | 1.05E-05 | 1.97E-05 | 1.31E-04 | 1.31E-04 | 1.43E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.13E-05 | 1.23E-06 | 1.65E-05 | 4.65E-06 | 4.96E-06 | 2.21E-06 | 1.05E-05 | 1.97E-05 | 1.31E-04 | 1.31E-04 | 1.43E-04 |
| UTERUS | G | 4.33E-05 | 1.52E-03 | 9.50E-05 | 8.88E-04 | 4.68E-04 | 5.73E-04 | 8.63E-05 | 4.38E-05 | 1.07E-05 | 1.07E-05 | 2.22E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.33E-05 | 1.52E-03 | 9.50E-05 | 8.88E-04 | 4.68E-04 | 5.73E-04 | 8.63E-05 | 4.38E-05 | 1.07E-05 | 1.07E-05 | 2.22E-04 |
| T BODY | G | 1.74E-04 | 1.93E-04 | 1.84E-04 | 2.02E-04 | 1.97E-04 | 1.96E-04 | 1.75E-04 | 1.76E-04 | 1.50E-04 | 1.50E-04 | 1.50E-04 |
| | B | 4.74E-05 | 5.34E-06 | 1.42E-05 | 3.79E-05 | 2.26E-05 | 2.81E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 |
| | T | 2.22E-04 | 1.98E-04 | 1.98E-04 | 2.40E-04 | 2.20E-04 | 2.24E-04 | 2.23E-04 | 2.24E-04 | 1.97E-04 | 1.97E-04 | 1.98E-04 |

CONTINUED NEXT PAGE

56-BARIUM-137M CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 6.15E-05 | 8.15E-04 | 1.82E-04 | 1.82E-04 | 2.20E-04 | 9.29E-05 | 7.42E-05 | 6.61E-04 | 7.99E-06 | 2.13E-05 | 2.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 6.15E-05 | 8.15E-04 | 1.82E-04 | 1.82E-04 | 2.20E-04 | 9.29E-05 | 7.42E-05 | 6.61E-04 | 7.99E-06 | 2.13E-05 | 2.68E-04 |
| BLAD WALL | G | 6.99E-04 | 1.80E-05 | 6.06E-05 | 6.06E-05 | 8.51E-05 | 2.87E-05 | 7.07E-05 | 2.16E-05 | 5.33E-04 | 1.24E-06 | 1.96E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 6.99E-04 | 1.80E-05 | 6.06E-05 | 6.06E-05 | 8.51E-05 | 2.87E-05 | 7.07E-05 | 2.16E-05 | 5.33E-04 | 1.24E-06 | 2.44E-04 |
| GI TRACT S WALL | G | 8.41E-05 | 1.75E-03 | 5.91E-05 | 5.91E-05 | 1.09E-04 | 7.77E-05 | 6.82E-05 | 9.91E-04 | 1.10E-05 | 1.37E-05 | 1.82E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 8.41E-05 | 1.75E-03 | 5.91E-05 | 5.91E-05 | 1.09E-04 | 7.77E-05 | 6.82E-05 | 9.91E-04 | 1.10E-05 | 1.37E-05 | 2.29E-04 |
| SI+CONT | G | 1.20E-03 | 1.83E-04 | 8.47E-05 | 8.47E-05 | 2.74E-04 | 1.08E-04 | 5.90E-05 | 1.43E-04 | 5.56E-05 | 1.86E-06 | 2.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 1.20E-03 | 1.83E-04 | 8.47E-05 | 8.47E-05 | 2.74E-04 | 1.08E-04 | 5.90E-05 | 1.43E-04 | 5.56E-05 | 1.86E-06 | 2.51E-04 |
| ULI WALL | G | 1.13E-03 | 2.24E-04 | 7.53E-05 | 7.53E-05 | 2.07E-04 | 8.86E-05 | 6.34E-05 | 1.44E-04 | 3.64E-05 | 2.23E-06 | 2.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 1.13E-03 | 2.24E-04 | 7.53E-05 | 7.53E-05 | 2.07E-04 | 8.86E-05 | 6.34E-05 | 1.44E-04 | 3.64E-05 | 2.23E-06 | 2.47E-04 |
| LLI WALL | G | 1.44E-03 | 5.61E-05 | 1.02E-04 | 1.02E-04 | 3.15E-04 | 8.48E-05 | 6.50E-05 | 7.00E-05 | 2.74E-04 | 1.87E-06 | 2.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 1.44E-03 | 5.61E-05 | 1.02E-04 | 1.02E-04 | 3.15E-04 | 8.48E-05 | 6.50E-05 | 7.00E-05 | 2.74E-04 | 1.87E-06 | 2.52E-04 |
| KIDNEYS | G | 1.16E-04 | 6.33E-04 | 1.04E-04 | 1.04E-04 | 2.45E-04 | 1.25E-04 | 7.92E-05 | 8.64E-04 | 1.22E-05 | 7.52E-06 | 1.84E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 1.16E-04 | 6.33E-04 | 1.04E-04 | 1.04E-04 | 2.45E-04 | 1.25E-04 | 7.92E-05 | 8.64E-04 | 1.22E-05 | 7.52E-06 | 2.32E-04 |
| LIVER | G | 6.48E-05 | 4.19E-04 | 7.40E-05 | 7.40E-05 | 1.05E-04 | 1.14E-04 | 7.05E-05 | 1.11E-04 | 7.19E-06 | 1.77E-05 | 1.83E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 6.48E-05 | 4.19E-04 | 7.40E-05 | 7.40E-05 | 1.05E-04 | 1.14E-04 | 7.05E-05 | 1.11E-04 | 7.19E-06 | 1.77E-05 | 2.30E-04 |
| LUNGS | G | 1.33E-05 | 2.43E-04 | 1.02E-04 | 1.02E-04 | 1.25E-04 | 1.05E-04 | 7.18E-05 | 2.25E-04 | 2.01E-06 | 1.13E-04 | 1.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 1.33E-05 | 2.43E-04 | 1.02E-04 | 1.02E-04 | 1.25E-04 | 1.05E-04 | 7.18E-05 | 2.25E-04 | 2.01E-06 | 1.13E-04 | 2.04E-04 |
| RESP LYM NODE | G | 1.33E-05 | 2.43E-04 | 1.02E-04 | 1.02E-04 | 1.25E-04 | 1.05E-04 | 7.18E-05 | 2.25E-04 | 2.01E-06 | 1.13E-04 | 1.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 1.33E-05 | 2.43E-04 | 1.02E-04 | 1.02E-04 | 1.25E-04 | 1.05E-04 | 7.18E-05 | 2.25E-04 | 2.01E-06 | 1.13E-04 | 2.04E-04 |
| MUSCLE* | G | 2.05E-04 | 1.85E-04 | 1.15E-04 | 1.15E-04 | 1.35E-04 | 1.07E-04 | 9.63E-05 | 1.53E-04 | 1.29E-04 | 1.43E-04 | 1.50E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 2.05E-04 | 1.85E-04 | 1.15E-04 | 1.15E-04 | 1.35E-04 | 1.07E-04 | 9.63E-05 | 1.53E-04 | 1.29E-04 | 1.43E-04 | 1.98E-04 |
| OVARIES | G | 7.92E-02 | 6.08E-05 | 1.09E-04 | 1.09E-04 | 3.40E-04 | 9.04E-05 | 4.19E-05 | 9.29E-05 | 5.14E-47 | 2.22E-06 | 1.63E-04 |
| | B | 3.02E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 3.81E-01 | 6.08E-05 | 1.09E-04 | 1.09E-04 | 3.40E-04 | 9.04E-05 | 4.19E-05 | 9.29E-05 | 5.14E-47 | 2.22E-06 | 2.10E-04 |

56-BARIUM-137M CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 7.03E-05 | 2.20E-02 | 9.66E-05 | 9.66E-05 | 1.59E-04 | 1.26E-04 | 5.77E-05 | 1.97E-03 | 6.19E-06 | 6.66E-06 | 1.76E-04 |
| | B | 0.0 | 3.32E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 7.03E-05 | 5.52E-02 | 9.66E-05 | 9.66E-05 | 1.59E-04 | 1.26E-04 | 5.77E-05 | 1.97E-03 | 6.19E-06 | 6.66E-06 | 2.23E-04 |
| SKELETON BONE | G | 9.47E-05 | 9.40E-05 | 3.63E-04 | 3.63E-04 | 2.42E-04 | 2.70E-04 | 8.92E-05 | 7.96E-05 | 6.83E-05 | 7.76E-05 | 1.55E-04 |
| | B | 0.0 | 0.0 | 6.64E-04 | 3.82E-04 | 1.88E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 9.47E-05 | 9.40E-05 | 1.03E-03 | 7.45E-04 | 4.30E-04 | 2.70E-04 | 8.92E-05 | 7.96E-05 | 6.83E-05 | 7.76E-05 | 2.02E-04 |
| R MARROW | G | 3.14E-04 | 1.77E-04 | 3.25E-04 | 3.25E-04 | 7.76E-04 | 2.79E-04 | 8.29E-05 | 1.17E-04 | 5.41E-05 | 8.51E-05 | 1.70E-04 |
| | B | 0.0 | 0.0 | 3.90E-05 | 9.39E-04 | 1.48E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 3.14E-04 | 1.77E-04 | 3.64E-04 | 1.26E-03 | 2.26E-03 | 2.79E-04 | 8.29E-05 | 1.17E-04 | 5.41E-05 | 8.51E-05 | 2.18E-04 |
| Y MARROW | G | 1.26E-04 | 1.10E-04 | 3.14E-04 | 3.14E-04 | 2.99E-04 | 4.60E-04 | 9.47E-05 | 1.19E-04 | 2.94E-05 | 4.14E-05 | 1.45E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.21E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 1.26E-04 | 1.10E-04 | 3.14E-04 | 3.14E-04 | 2.99E-04 | 2.67E-03 | 9.47E-05 | 1.19E-04 | 2.94E-05 | 4.14E-05 | 1.92E-04 |
| T E CL | G | 9.47E-05 | 9.40E-05 | 3.63E-04 | 3.63E-04 | 3.27E-04 | 2.99E-04 | 8.92E-05 | 7.96E-05 | 6.83E-05 | 7.76E-05 | 1.55E-04 |
| | B | 0.0 | 0.0 | 4.22E-04 | 5.55E-04 | 6.70E-04 | 5.53E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 9.47E-05 | 9.40E-05 | 7.85E-04 | 1.02E-03 | 9.97E-04 | 8.52E-04 | 8.92E-05 | 7.96E-05 | 6.83E-05 | 7.76E-05 | 2.02E-04 |
| SKIN | G | 5.61E-05 | 5.46E-05 | 9.02E-05 | 9.02E-05 | 7.80E-05 | 1.01E-04 | 2.14E-04 | 6.64E-05 | 1.65E-04 | 9.19E-05 | 9.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28E-03 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 5.61E-05 | 5.46E-05 | 9.02E-05 | 9.02E-05 | 7.80E-05 | 1.01E-04 | 1.49E-03 | 6.64E-05 | 1.65E-04 | 9.19E-05 | 1.43E-04 |
| SPLEEN | G | 6.96E-05 | 1.94E-03 | 8.90E-05 | 8.90E-05 | 9.21E-05 | 1.06E-04 | 7.33E-05 | 1.35E-02 | 1.15E-05 | 1.61E-05 | 1.85E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84E-02 | 0.0 | 0.0 | 4.74E-05 |
| | T | 6.96E-05 | 1.94E-03 | 8.90E-05 | 8.90E-05 | 9.21E-05 | 1.06E-04 | 7.33E-05 | 3.19E-02 | 1.15E-05 | 1.61E-05 | 2.32E-04 |
| TESTES | G | 5.14E-47 | 8.63E-06 | 6.28E-05 | 6.28E-05 | 4.51E-05 | 9.87E-05 | 9.03E-05 | 1.06E-05 | 3.73E-02 | 4.82E-07 | 1.91E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.49E-02 | 0.0 | 4.74E-05 |
| | T | 5.14E-47 | 8.63E-06 | 6.28E-05 | 6.28E-05 | 4.51E-05 | 9.87E-05 | 9.03E-05 | 1.06E-05 | 1.32E-01 | 4.82E-07 | 2.38E-04 |
| THYMUS | G | 6.95E-06 | 5.50E-05 | 8.23E-05 | 8.23E-05 | 5.39E-05 | 4.01E-05 | 8.56E-05 | 5.77E-05 | 1.42E-06 | 4.35E-04 | 1.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 6.95E-06 | 5.50E-05 | 8.23E-05 | 8.23E-05 | 5.39E-05 | 4.01E-05 | 8.56E-05 | 5.77E-05 | 1.42E-06 | 4.35E-04 | 1.97E-04 |
| THYROID | G | 2.22E-06 | 1.43E-05 | 9.54E-05 | 9.54E-05 | 9.58E-05 | 4.85E-05 | 8.36E-05 | 1.61E-05 | 4.82E-07 | 5.02E-02 | 1.54E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-01 | 4.74E-05 |
| | T | 2.22E-06 | 1.43E-05 | 9.54E-05 | 9.54E-05 | 9.58E-05 | 4.85E-05 | 8.36E-05 | 1.61E-05 | 4.82E-07 | 2.16E-01 | 2.02E-04 |
| UTERUS | G | 1.81E-03 | 6.44E-05 | 7.17E-05 | 7.17E-05 | 1.87E-04 | 6.97E-05 | 6.57E-05 | 5.38E-05 | 5.14E-47 | 2.12E-06 | 2.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.74E-05 |
| | T | 1.81E-03 | 6.44E-05 | 7.17E-05 | 7.17E-05 | 1.87E-04 | 6.97E-05 | 6.57E-05 | 5.38E-05 | 5.14E-47 | 2.12E-06 | 2.51E-04 |
| T BODY | G | 2.06E-04 | 2.02E-04 | 1.49E-04 | 1.49E-04 | 1.65E-04 | 1.34E-04 | 9.66E-05 | 1.75E-04 | 1.48E-04 | 1.36E-04 | 1.50E-04 |
| | B | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 |
| | T | 2.53E-04 | 2.49E-04 | 1.97E-04 | 1.97E-04 | 2.13E-04 | 1.81E-04 | 1.44E-04 | 2.22E-04 | 1.96E-04 | 1.83E-04 | 1.98E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA TABLES A8, 109 (1970)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 56-BARIUM-140 (TR=1.280E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.29E-02 | 9.88E-06 | 9.64E-05 | 5.57E-05 | 4.43E-05 | 2.13E-05 | 5.53E-04 | 2.21E-04 | 1.09E-04 | 1.09E-04 | 6.92E-05 |
| | B | 1.07E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.09E 00 | 9.88E-06 | 9.64E-05 | 5.57E-05 | 4.43E-05 | 2.13E-05 | 5.53E-04 | 2.21E-04 | 1.09E-04 | 1.09E-04 | 6.92E-05 |
| BLAD WALL | G | 5.15E-06 | 3.47E-03 | 1.87E-05 | 1.43E-04 | 8.66E-05 | 2.59E-04 | 1.65E-05 | 1.37E-05 | 3.11E-06 | 3.11E-06 | 8.04E-05 |
| | B | 0.0 | 3.74E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.15E-06 | 4.08E-02 | 1.87E-05 | 1.43E-04 | 8.66E-05 | 2.59E-04 | 1.65E-05 | 1.37E-05 | 3.11E-06 | 3.11E-06 | 8.04E-05 |
| GI TRACT S WALL | G | 1.31E-04 | 1.43E-05 | 2.44E-03 | 1.54E-04 | 1.65E-04 | 7.99E-05 | 1.50E-04 | 8.44E-05 | 8.30E-05 | 8.30E-05 | 6.33E-05 |
| | B | 0.0 | 0.0 | 2.99E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.31E-04 | 1.43E-05 | 3.23E-02 | 1.54E-04 | 1.65E-04 | 7.99E-05 | 1.50E-04 | 8.44E-05 | 8.30E-05 | 8.30E-05 | 6.33E-05 |
| SI+CONT | G | 4.14E-05 | 1.18E-04 | 1.17E-04 | 1.45E-03 | 7.53E-04 | 4.13E-04 | 1.23E-04 | 7.07E-05 | 1.18E-05 | 1.18E-05 | 6.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.87E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.14E-05 | 1.18E-04 | 1.17E-04 | 2.01E-02 | 7.53E-04 | 4.13E-04 | 1.23E-04 | 7.07E-05 | 1.18E-05 | 1.18E-05 | 6.98E-05 |
| ULI WALL | G | 4.54E-05 | 1.04E-04 | 1.50E-04 | 1.07E-03 | 2.00E-03 | 1.92E-04 | 1.28E-04 | 1.14E-04 | 1.59E-05 | 1.59E-05 | 7.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.40E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.54E-05 | 1.04E-04 | 1.50E-04 | 1.07E-03 | 3.60E-02 | 1.92E-04 | 1.28E-04 | 1.14E-04 | 1.59E-05 | 1.59E-05 | 7.34E-05 |
| LLI WALL | G | 1.46E-05 | 3.19E-04 | 5.63E-05 | 3.14E-04 | 1.37E-04 | 2.42E-03 | 3.83E-05 | 1.36E-05 | 3.62E-06 | 3.62E-06 | 7.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.53E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.46E-05 | 3.19E-04 | 5.63E-05 | 3.14E-04 | 1.37E-04 | 5.78E-02 | 3.83E-05 | 1.36E-05 | 3.62E-06 | 3.62E-06 | 7.63E-05 |
| KIDNEYS | G | 5.26E-04 | 1.62E-05 | 1.48E-04 | 1.40E-04 | 1.21E-04 | 3.74E-05 | 3.50E-03 | 1.70E-04 | 4.50E-05 | 4.50E-05 | 6.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.82E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.26E-04 | 1.62E-05 | 1.48E-04 | 1.40E-04 | 1.21E-04 | 3.74E-05 | 5.17E-02 | 1.70E-04 | 4.50E-05 | 4.50E-05 | 6.47E-05 |
| LIVER | G | 2.21E-04 | 1.19E-05 | 8.99E-05 | 8.07E-05 | 1.11E-04 | 1.48E-05 | 1.78E-04 | 1.21E-03 | 1.08E-04 | 1.08E-04 | 5.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.30E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.21E-04 | 1.19E-05 | 8.99E-05 | 8.07E-05 | 1.11E-04 | 1.48E-05 | 1.78E-04 | 9.51E-03 | 1.08E-04 | 1.08E-04 | 5.01E-05 |
| LUNGS | G | 1.06E-04 | 2.04E-06 | 8.24E-05 | 1.42E-05 | 1.47E-05 | 4.48E-06 | 4.15E-05 | 1.10E-04 | 7.13E-04 | 7.13E-04 | 6.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.49E-02 | 1.49E-02 | 0.0 |
| | T | 1.06E-04 | 2.04E-06 | 8.24E-05 | 1.42E-05 | 1.47E-05 | 4.48E-06 | 4.15E-05 | 1.10E-04 | 1.57E-02 | 1.57E-02 | 6.10E-05 |
| RESP LYM NODE | G | 1.06E-04 | 2.04E-06 | 8.24E-05 | 1.42E-05 | 1.47E-05 | 4.48E-06 | 4.15E-05 | 1.10E-04 | 6.99E-04 | 7.13E-04 | 6.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.47E-02 | 9.96E-01 | 0.0 |
| | T | 1.06E-04 | 2.04E-06 | 8.24E-05 | 1.42E-05 | 1.47E-05 | 4.48E-06 | 4.15E-05 | 1.10E-04 | 1.54E-02 | 9.97E-01 | 6.10E-05 |
| MUSCLE* | G | 6.92E-05 | 8.04E-05 | 6.35E-05 | 6.98E-05 | 6.66E-05 | 7.63E-05 | 6.47E-05 | 5.01E-05 | 6.10E-05 | 6.10E-05 | 6.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.34E-04 |
| | T | 6.92E-05 | 8.04E-05 | 6.35E-05 | 6.98E-05 | 6.66E-05 | 7.63E-05 | 6.47E-05 | 5.01E-05 | 6.10E-05 | 6.10E-05 | 6.03E-04 |
| OVARIES | G | 2.42E-05 | 2.87E-04 | 2.39E-05 | 4.15E-04 | 5.57E-04 | 7.62E-04 | 5.21E-05 | 1.17E-05 | 6.52E-06 | 6.52E-06 | 9.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.42E-05 | 2.87E-04 | 2.39E-05 | 4.15E-04 | 5.57E-04 | 7.62E-04 | 5.21E-05 | 1.17E-05 | 6.52E-06 | 6.52E-06 | 9.02E-05 |

56-BARIUM-140 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.80E-04 | 1.16E-05 | 8.03E-04 | 9.16E-05 | 8.35E-05 | 3.27E-05 | 2.93E-04 | 2.08E-04 | 1.22E-04 | 1.22E-04 | 8.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.80E-04 | 1.16E-05 | 8.03E-04 | 9.16E-05 | 8.35E-05 | 3.27E-05 | 2.93E-04 | 2.08E-04 | 1.22E-04 | 1.22E-04 | 8.18E-05 |
| SKELETON BONE | G | 6.61E-05 | 2.76E-05 | 2.85E-05 | 3.77E-05 | 3.46E-05 | 5.14E-05 | 4.69E-05 | 3.53E-05 | 4.84E-05 | 4.84E-05 | 4.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.61E-05 | 2.76E-05 | 2.85E-05 | 3.77E-05 | 3.46E-05 | 5.14E-05 | 4.69E-05 | 3.53E-05 | 4.84E-05 | 4.84E-05 | 4.89E-05 |
| R MARROW | G | 1.18E-04 | 6.01E-05 | 4.92E-05 | 1.22E-04 | 1.06E-04 | 1.58E-04 | 1.20E-04 | 5.09E-05 | 6.08E-05 | 6.08E-05 | 6.67E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-04 | 6.01E-05 | 4.92E-05 | 1.22E-04 | 1.06E-04 | 1.58E-04 | 1.20E-04 | 5.09E-05 | 6.08E-05 | 6.08E-05 | 6.67E-05 |
| Y MARROW | G | 6.36E-05 | 2.54E-05 | 3.97E-05 | 5.24E-05 | 4.92E-05 | 6.40E-05 | 5.81E-05 | 5.20E-05 | 5.11E-05 | 5.11E-05 | 5.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.36E-05 | 2.54E-05 | 3.97E-05 | 5.24E-05 | 4.92E-05 | 6.40E-05 | 5.81E-05 | 5.20E-05 | 5.11E-05 | 5.11E-05 | 5.38E-05 |
| T E CL | G | 6.61E-05 | 2.76E-05 | 2.85E-05 | 3.77E-05 | 3.46E-05 | 5.14E-05 | 4.69E-05 | 3.53E-05 | 4.84E-05 | 4.84E-05 | 4.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.61E-05 | 2.76E-05 | 2.85E-05 | 3.77E-05 | 3.46E-05 | 5.14E-05 | 4.69E-05 | 3.53E-05 | 4.84E-05 | 4.84E-05 | 4.89E-05 |
| SKIN | G | 2.98E-05 | 2.85E-05 | 2.56E-05 | 2.31E-05 | 2.40E-05 | 2.57E-05 | 2.92E-05 | 2.64E-05 | 2.97E-05 | 2.97E-05 | 4.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.98E-05 | 2.85E-05 | 2.56E-05 | 2.31E-05 | 2.40E-05 | 2.57E-05 | 2.92E-05 | 2.64E-05 | 2.97E-05 | 2.97E-05 | 4.05E-05 |
| SPLEEN | G | 2.91E-04 | 1.03E-05 | 4.33E-04 | 6.93E-05 | 5.58E-05 | 4.07E-05 | 3.83E-04 | 4.39E-05 | 9.78E-05 | 9.78E-05 | 6.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.91E-04 | 1.03E-05 | 4.33E-04 | 6.93E-05 | 5.58E-05 | 4.07E-05 | 3.83E-04 | 4.39E-05 | 9.78E-05 | 9.78E-05 | 6.68E-05 |
| TESTES | G | 2.97E-06 | 2.24E-04 | 1.63E-06 | 1.61E-05 | 2.14E-05 | 9.01E-05 | 6.38E-06 | 5.10E-06 | 1.02E-06 | 1.02E-06 | 5.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.97E-06 | 2.24E-04 | 1.63E-06 | 1.61E-05 | 2.14E-05 | 9.01E-05 | 6.38E-06 | 5.10E-06 | 1.02E-06 | 1.02E-06 | 5.53E-05 |
| THYMUS | G | 3.74E-05 | 1.32E-06 | 1.17E-05 | 5.92E-06 | 6.51E-06 | 2.44E-06 | 1.58E-05 | 5.31E-05 | 1.69E-04 | 1.69E-04 | 8.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.74E-05 | 1.32E-06 | 1.17E-05 | 5.92E-06 | 6.51E-06 | 2.44E-06 | 1.58E-05 | 5.31E-05 | 1.69E-04 | 1.69E-04 | 8.29E-05 |
| THYROID | G | 8.45E-06 | 3.92E-07 | 6.47E-06 | 1.66E-06 | 1.78E-06 | 7.52E-07 | 3.99E-06 | 8.25E-06 | 5.12E-05 | 5.12E-05 | 6.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.45E-06 | 3.92E-07 | 6.47E-06 | 1.66E-06 | 1.78E-06 | 7.52E-07 | 3.99E-06 | 8.25E-06 | 5.12E-05 | 5.12E-05 | 6.29E-05 |
| UTERUS | G | 2.77E-05 | 6.84E-04 | 3.89E-05 | 3.99E-04 | 2.03E-04 | 2.60E-04 | 3.80E-05 | 1.89E-05 | 4.24E-06 | 4.24E-06 | 9.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.77E-05 | 6.84E-04 | 3.89E-05 | 3.99E-04 | 2.03E-04 | 2.60E-04 | 3.80E-05 | 1.89E-05 | 4.24E-06 | 4.24E-06 | 9.10E-05 |
| T BODY | G | 7.71E-05 | 8.55E-05 | 8.13E-05 | 8.97E-05 | 8.75E-05 | 8.71E-05 | 7.76E-05 | 7.81E-05 | 6.71E-05 | 6.71E-05 | 6.55E-05 |
| | B | 2.13E-04 | 2.40E-05 | 6.40E-05 | 1.71E-04 | 1.02E-04 | 1.27E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 |
| | T | 2.91E-04 | 1.10E-04 | 1.45E-04 | 2.61E-04 | 1.89E-04 | 2.14E-04 | 2.91E-04 | 2.92E-04 | 2.81E-04 | 2.81E-04 | 2.79E-04 |

CONTINUED NEXT PAGE

56-BARIUM-140 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.50E-05 | 3.79E-04 | 7.26E-05 | 7.26E-05 | 8.56E-05 | 4.89E-05 | 3.08E-05 | 2.78E-04 | 2.97E-06 | 8.45E-06 | 9.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 2.50E-05 | 3.79E-04 | 7.26E-05 | 7.26E-05 | 8.56E-05 | 4.89E-05 | 3.08E-05 | 2.78E-04 | 2.97E-06 | 8.45E-06 | 3.13E-04 |
| BLAD WALL | G | 3.02E-04 | 8.20E-06 | 2.74E-05 | 2.74E-05 | 3.20E-05 | 1.24E-05 | 2.77E-05 | 6.51E-06 | 2.26E-04 | 3.96E-07 | 8.26E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 3.02E-04 | 8.20E-06 | 2.74E-05 | 2.74E-05 | 3.20E-05 | 1.24E-05 | 2.77E-05 | 6.51E-06 | 2.26E-04 | 3.96E-07 | 2.96E-04 |
| GI TRACT S WALL | G | 3.65E-05 | 7.92E-04 | 2.58E-05 | 2.58E-05 | 4.48E-05 | 3.32E-05 | 2.84E-05 | 4.42E-04 | 4.61E-06 | 5.11E-06 | 8.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 3.65E-05 | 7.92E-04 | 2.58E-05 | 2.58E-05 | 4.48E-05 | 3.32E-05 | 2.84E-05 | 4.42E-04 | 4.61E-06 | 5.11E-06 | 2.95E-04 |
| SI+CONT | G | 5.42E-04 | 7.85E-05 | 3.55E-05 | 3.55E-05 | 1.19E-04 | 4.69E-05 | 2.41E-05 | 6.14E-05 | 2.27E-05 | 4.40E-07 | 9.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 5.42E-04 | 7.85E-05 | 3.55E-05 | 3.55E-05 | 1.19E-04 | 4.69E-05 | 2.41E-05 | 6.14E-05 | 2.27E-05 | 4.40E-07 | 3.04E-04 |
| ULI WALL | G | 5.11E-04 | 9.58E-05 | 3.15E-05 | 3.15E-05 | 9.21E-05 | 3.87E-05 | 2.53E-05 | 6.11E-05 | 1.45E-05 | 5.46E-07 | 8.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 5.11E-04 | 9.58E-05 | 3.15E-05 | 3.15E-05 | 9.21E-05 | 3.87E-05 | 2.53E-05 | 6.11E-05 | 1.45E-05 | 5.46E-07 | 3.02E-04 |
| LLI WALL | G | 6.57E-04 | 2.38E-05 | 4.33E-05 | 4.33E-05 | 1.37E-04 | 3.76E-05 | 2.62E-05 | 3.02E-05 | 1.25E-04 | 6.28E-07 | 8.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 6.57E-04 | 2.38E-05 | 4.33E-05 | 4.33E-05 | 1.37E-04 | 3.76E-05 | 2.62E-05 | 3.02E-05 | 1.25E-04 | 6.28E-07 | 3.02E-04 |
| KIDNEYS | G | 4.88E-05 | 2.80E-04 | 4.09E-05 | 4.09E-05 | 1.05E-04 | 5.32E-05 | 3.30E-05 | 3.91E-04 | 4.26E-06 | 2.25E-06 | 7.99E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 4.88E-05 | 2.80E-04 | 4.09E-05 | 4.09E-05 | 1.05E-04 | 5.32E-05 | 3.30E-05 | 3.91E-04 | 4.26E-06 | 2.25E-06 | 2.93E-04 |
| LIVER | G | 2.68E-05 | 1.86E-04 | 3.13E-05 | 3.13E-05 | 4.48E-05 | 4.82E-05 | 2.95E-05 | 4.68E-05 | 2.30E-06 | 6.77E-06 | 7.92E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 2.68E-05 | 1.86E-04 | 3.13E-05 | 3.13E-05 | 4.48E-05 | 4.82E-05 | 2.95E-05 | 4.68E-05 | 2.30E-06 | 6.77E-06 | 2.93E-04 |
| LUNGS | G | 4.76E-06 | 1.08E-04 | 4.39E-05 | 4.39E-05 | 5.37E-05 | 4.49E-05 | 3.02E-05 | 9.97E-05 | 6.41E-07 | 4.65E-05 | 7.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 4.76E-06 | 1.08E-04 | 4.39E-05 | 4.39E-05 | 5.37E-05 | 4.49E-05 | 3.02E-05 | 9.97E-05 | 6.41E-07 | 4.65E-05 | 2.84E-04 |
| RESP LYM NODE | G | 4.76E-06 | 1.08E-04 | 4.39E-05 | 4.39E-05 | 5.37E-05 | 4.49E-05 | 3.02E-05 | 9.97E-05 | 6.41E-07 | 4.65E-05 | 7.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 4.76E-06 | 1.08E-04 | 4.39E-05 | 4.39E-05 | 5.37E-05 | 4.49E-05 | 3.02E-05 | 9.97E-05 | 6.41E-07 | 4.65E-05 | 2.84E-04 |
| MUSCLE* | G | 9.02E-05 | 8.18E-05 | 4.89E-05 | 4.89E-05 | 5.79E-05 | 4.55E-05 | 4.05E-05 | 6.68E-05 | 5.53E-05 | 6.29E-05 | 6.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 9.02E-05 | 8.18E-05 | 4.89E-05 | 4.89E-05 | 5.79E-05 | 4.55E-05 | 4.05E-05 | 6.68E-05 | 5.53E-05 | 6.29E-05 | 2.79E-04 |
| OVARIES | G | 3.83E-02 | 1.77E-05 | 4.58E-05 | 4.58E-05 | 1.51E-04 | 4.16E-05 | 1.51E-05 | 4.22E-05 | 4.44E-46 | 7.46E-07 | 7.77E-05 |
| | B | 1.36E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 1.40E 00 | 1.77E-05 | 4.58E-05 | 4.58E-05 | 1.51E-04 | 4.16E-05 | 1.51E-05 | 4.22E-05 | 4.44E-46 | 7.46E-07 | 2.91E-04 |

56-BARIUM-140 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.48E-05 | 1.03E-02 | 4.11E-05 | 4.11E-05 | 7.43E-05 | 5.73E-05 | 2.55E-05 | 8.92E-04 | 2.02E-06 | 3.16E-06 | 8.15E-05 |
| | B | 0.0 | 1.49E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 2.48E-05 | 1.60E-01 | 4.11E-05 | 4.11E-05 | 7.43E-05 | 5.73E-05 | 2.55E-05 | 8.92E-04 | 2.02E-06 | 3.16E-06 | 2.95E-04 |
| SKELETON BONE | G | 4.50E-05 | 4.38E-05 | 1.75E-04 | 1.75E-04 | 1.15E-04 | 1.29E-04 | 4.00E-05 | 3.68E-05 | 3.04E-05 | 3.49E-05 | 7.27E-05 |
| | B | 0.0 | 0.0 | 2.99E-03 | 2.03E-03 | 6.38E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 4.50E-05 | 4.38E-05 | 3.16E-03 | 2.21E-03 | 7.53E-04 | 1.29E-04 | 4.00E-05 | 3.68E-05 | 3.04E-05 | 3.49E-05 | 2.86E-04 |
| R MARROW | G | 1.53E-04 | 8.27E-05 | 1.55E-04 | 1.55E-04 | 3.87E-04 | 1.34E-04 | 3.73E-05 | 5.39E-05 | 2.42E-05 | 3.84E-05 | 8.09E-05 |
| | B | 0.0 | 0.0 | 6.87E-05 | 3.19E-03 | 7.65E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 1.53E-04 | 8.27E-05 | 2.24E-04 | 3.34E-03 | 8.04E-03 | 1.34E-04 | 3.73E-05 | 5.39E-05 | 2.42E-05 | 3.84E-05 | 2.94E-04 |
| Y MARROW | G | 6.04E-05 | 5.11E-05 | 1.51E-04 | 1.51E-04 | 1.44E-04 | 2.32E-04 | 4.26E-05 | 5.53E-05 | 1.27E-05 | 1.85E-05 | 6.84E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.96E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 6.04E-05 | 5.11E-05 | 1.51E-04 | 1.51E-04 | 1.44E-04 | 1.02E-02 | 4.26E-05 | 5.53E-05 | 1.27E-05 | 1.85E-05 | 2.82E-04 |
| T E CL | G | 4.50E-05 | 4.38E-05 | 1.73E-04 | 1.73E-04 | 1.62E-04 | 1.48E-04 | 4.00E-05 | 3.68E-05 | 3.04E-05 | 3.49E-05 | 7.28E-05 |
| | B | 0.0 | 0.0 | 1.79E-03 | 3.21E-03 | 2.84E-03 | 2.49E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 4.50E-05 | 4.38E-05 | 1.96E-03 | 3.38E-03 | 3.00E-03 | 2.64E-03 | 4.00E-05 | 3.68E-05 | 3.04E-05 | 3.49E-05 | 2.86E-04 |
| SKIN | G | 2.28E-05 | 2.20E-05 | 3.78E-05 | 3.78E-05 | 3.28E-05 | 4.23E-05 | 9.89E-05 | 2.74E-05 | 7.21E-05 | 3.88E-05 | 4.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.75E-03 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 2.28E-05 | 2.20E-05 | 3.78E-05 | 3.78E-05 | 3.28E-05 | 4.23E-05 | 5.85E-03 | 2.74E-05 | 7.21E-05 | 3.88E-05 | 2.54E-04 |
| SPLEEN | G | 2.94E-05 | 8.81E-04 | 3.62E-05 | 3.62E-05 | 3.70E-05 | 4.44E-05 | 2.91E-05 | 6.24E-03 | 4.90E-06 | 5.73E-06 | 8.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.30E-02 | 0.0 | 0.0 | 2.13E-04 |
| | T | 2.94E-05 | 8.81E-04 | 3.62E-05 | 3.62E-05 | 3.70E-05 | 4.44E-05 | 2.91E-05 | 8.93E-02 | 4.90E-06 | 5.73E-06 | 2.95E-04 |
| TESTES | G | 4.44E-46 | 2.94E-06 | 2.60E-05 | 2.60E-05 | 1.85E-05 | 4.36E-05 | 4.03E-05 | 4.03E-06 | 1.74E-02 | 1.41E-07 | 7.97E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.27E-01 | 0.0 | 2.13E-04 |
| | T | 4.44E-46 | 2.94E-06 | 2.60E-05 | 2.60E-05 | 1.85E-05 | 4.36E-05 | 4.03E-05 | 4.03E-06 | 4.44E-01 | 1.41E-07 | 2.93E-04 |
| THYMUS | G | 2.56E-06 | 2.51E-05 | 3.21E-05 | 3.21E-05 | 2.27E-05 | 1.93E-05 | 3.69E-05 | 2.07E-05 | 4.58E-07 | 1.94E-04 | 7.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 2.56E-06 | 2.51E-05 | 3.21E-05 | 3.21E-05 | 2.27E-05 | 1.93E-05 | 3.69E-05 | 2.07E-05 | 4.58E-07 | 1.94E-04 | 2.87E-04 |
| THYROID | G | 7.46E-07 | 7.60E-06 | 4.67E-05 | 4.67E-05 | 3.89E-05 | 2.53E-05 | 3.73E-05 | 6.28E-06 | 1.41E-07 | 2.37E-02 | 6.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.47E-01 | 2.13E-04 |
| | T | 7.46E-07 | 7.60E-06 | 4.67E-05 | 4.67E-05 | 3.89E-05 | 2.53E-05 | 3.73E-05 | 6.28E-06 | 1.41E-07 | 7.71E-01 | 2.78E-04 |
| UTERUS | G | 8.42E-04 | 2.75E-05 | 2.66E-05 | 2.66E-05 | 8.65E-05 | 2.95E-05 | 2.45E-05 | 2.04E-05 | 4.44E-46 | 7.07E-07 | 8.36E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.13E-04 |
| | T | 8.42E-04 | 2.75E-05 | 2.66E-05 | 2.66E-05 | 8.65E-05 | 2.95E-05 | 2.45E-05 | 2.04E-05 | 4.44E-46 | 7.07E-07 | 2.97E-04 |
| T BODY | G | 9.16E-05 | 8.98E-05 | 6.64E-05 | 6.64E-05 | 7.35E-05 | 5.95E-05 | 4.13E-05 | 7.77E-05 | 6.49E-05 | 6.00E-05 | 6.63E-05 |
| | B | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 |
| | T | 3.05E-04 | 3.03E-04 | 2.80E-04 | 2.80E-04 | 2.87E-04 | 2.73E-04 | 2.55E-04 | 2.91E-04 | 2.78E-04 | 2.73E-04 | 2.80E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-MOSS, G. A. AND MCDANIELS, D. K., NUCL. PHYS. 85, 513 (1966)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 57-LANTHANUM-140 (TR=4.020E 01 HOURS)

DATE OF TABLE 04-02-75

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.62E-01 | 9.64E-05 | 1.12E-03 | 4.58E-04 | 4.04E-04 | 1.84E-04 | 4.26E-03 | 1.72E-03 | 7.11E-04 | 7.11E-04 | 5.55E-04 |
| | B | 2.04E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.20E 00 | 9.64E-05 | 1.12E-03 | 4.58E-04 | 4.04E-04 | 1.84E-04 | 4.26E-03 | 1.72E-03 | 7.11E-04 | 7.11E-04 | 5.55E-04 |
| BLAD WALL | G | 9.08E-05 | 2.50E-02 | 1.65E-04 | 1.15E-03 | 6.74E-04 | 2.21E-03 | 1.63E-04 | 1.02E-04 | 3.68E-05 | 3.68E-05 | 6.41E-04 |
| | B | 0.0 | 7.12E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.08E-05 | 9.62E-02 | 1.65E-04 | 1.15E-03 | 6.74E-04 | 2.21E-03 | 1.63E-04 | 1.02E-04 | 3.68E-05 | 3.68E-05 | 6.41E-04 |
| GI TRACT S WALL | G | 9.81E-04 | 1.65E-04 | 1.79E-02 | 1.26E-03 | 1.20E-03 | 5.99E-04 | 1.10E-03 | 7.16E-04 | 7.23E-04 | 7.23E-04 | 5.15E-04 |
| | B | 0.0 | 0.0 | 5.70E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.81E-04 | 1.65E-04 | 7.49E-02 | 1.26E-03 | 1.20E-03 | 5.99E-04 | 1.10E-03 | 7.16E-04 | 7.23E-04 | 7.23E-04 | 5.15E-04 |
| SI+CONT | G | 3.86E-04 | 9.81E-04 | 9.06E-04 | 1.08E-02 | 5.49E-03 | 3.16E-03 | 1.03E-03 | 5.92E-04 | 1.22E-04 | 1.22E-04 | 5.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 3.56E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.86E-04 | 9.81E-04 | 9.06E-04 | 4.64E-02 | 5.49E-03 | 3.16E-03 | 1.03E-03 | 5.92E-04 | 1.22E-04 | 1.22E-04 | 5.59E-04 |
| ULI WALL | G | 3.72E-04 | 7.50E-04 | 1.26E-03 | 7.99E-03 | 1.50E-02 | 1.53E-03 | 1.05E-03 | 8.27E-04 | 1.63E-04 | 1.63E-04 | 5.91E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 6.48E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.72E-04 | 7.50E-04 | 1.26E-03 | 7.99E-03 | 7.97E-02 | 1.53E-03 | 1.05E-03 | 8.27E-04 | 1.63E-04 | 1.63E-04 | 5.91E-04 |
| LLI WALL | G | 1.44E-04 | 2.53E-03 | 5.10E-04 | 2.44E-03 | 1.05E-03 | 1.80E-02 | 3.70E-04 | 1.32E-04 | 2.81E-05 | 2.81E-05 | 6.13E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.44E-04 | 2.53E-03 | 5.10E-04 | 2.44E-03 | 1.05E-03 | 1.24E-01 | 3.70E-04 | 1.32E-04 | 2.81E-05 | 2.81E-05 | 6.13E-04 |
| KIDNEYS | G | 3.83E-03 | 1.73E-04 | 1.17E-03 | 1.07E-03 | 9.97E-04 | 3.57E-04 | 2.54E-02 | 1.35E-03 | 3.88E-04 | 3.88E-04 | 5.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.83E-03 | 1.73E-04 | 1.17E-03 | 1.07E-03 | 9.97E-04 | 3.57E-04 | 1.17E-01 | 1.35E-03 | 3.88E-04 | 3.88E-04 | 5.26E-04 |
| LIVER | G | 1.72E-03 | 1.17E-04 | 7.35E-04 | 6.71E-04 | 9.05E-04 | 1.60E-04 | 1.38E-03 | 8.91E-03 | 8.50E-04 | 8.50E-04 | 4.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.58E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.72E-03 | 1.17E-04 | 7.35E-04 | 6.71E-04 | 9.05E-04 | 1.60E-04 | 1.38E-03 | 2.47E-02 | 8.50E-04 | 8.50E-04 | 4.09E-04 |
| LUNGS | G | 8.66E-04 | 3.31E-05 | 6.48E-04 | 1.29E-04 | 1.57E-04 | 6.43E-05 | 3.51E-04 | 8.94E-04 | 5.10E-03 | 5.10E-03 | 4.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.85E-02 | 2.85E-02 | 0.0 |
| | T | 8.66E-04 | 3.31E-05 | 6.48E-04 | 1.29E-04 | 1.57E-04 | 6.43E-05 | 3.51E-04 | 8.94E-04 | 3.36E-02 | 3.36E-02 | 4.80E-04 |
| RESP LYM NODE | G | 8.66E-04 | 3.31E-05 | 6.48E-04 | 1.29E-04 | 1.57E-04 | 6.43E-05 | 3.51E-04 | 8.94E-04 | 5.10E-03 | 5.10E-03 | 4.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.85E-02 | 1.90E 00 | 0.0 |
| | T | 8.66E-04 | 3.31E-05 | 6.48E-04 | 1.29E-04 | 1.57E-04 | 6.43E-05 | 3.51E-04 | 8.94E-04 | 3.36E-02 | 1.90E 00 | 4.80E-04 |
| MUSCLE* | G | 5.55E-04 | 6.41E-04 | 5.15E-04 | 5.59E-04 | 5.39E-04 | 6.13E-04 | 5.26E-04 | 4.09E-04 | 4.80E-04 | 4.80E-04 | 5.50E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-03 |
| | T | 5.55E-04 | 6.41E-04 | 5.15E-04 | 5.59E-04 | 5.39E-04 | 6.13E-04 | 5.26E-04 | 4.09E-04 | 4.80E-04 | 4.80E-04 | 1.57E-03 |
| OVARIES | G | 1.12E-04 | 2.42E-03 | 3.46E-04 | 2.96E-03 | 3.02E-03 | 5.93E-03 | 4.59E-04 | 3.09E-04 | 6.68E-05 | 6.68E-05 | 7.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-04 | 2.42E-03 | 3.46E-04 | 2.96E-03 | 3.02E-03 | 5.93E-03 | 4.59E-04 | 3.09E-04 | 6.68E-05 | 6.68E-05 | 7.12E-04 |

57-LANTHANUM-140 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 3.06E-03 | 1.10E-04 | 5.97E-03 | 6.65E-04 | 7.59E-04 | 2.58E-04 | 2.28E-03 | 1.46E-03 | 8.78E-04 | 8.78E-04 | 6.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.06E-03 | 1.10E-04 | 5.97E-03 | 6.65E-04 | 7.59E-04 | 2.58E-04 | 2.28E-03 | 1.46E-03 | 8.78E-04 | 8.78E-04 | 6.44E-04 |
| SKELETON BONE | G | 4.83E-04 | 2.08E-04 | 2.15E-04 | 2.82E-04 | 2.56E-04 | 3.67E-04 | 3.54E-04 | 2.69E-04 | 3.52E-04 | 3.52E-04 | 4.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.83E-04 | 2.08E-04 | 2.15E-04 | 2.82E-04 | 2.56E-04 | 3.67E-04 | 3.54E-04 | 2.69E-04 | 3.52E-04 | 3.52E-04 | 4.14E-04 |
| R MARROW | G | 8.54E-04 | 4.27E-04 | 3.55E-04 | 8.62E-04 | 7.39E-04 | 1.07E-03 | 8.83E-04 | 3.88E-04 | 4.48E-04 | 4.48E-04 | 4.75E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.54E-04 | 4.27E-04 | 3.55E-04 | 8.62E-04 | 7.39E-04 | 1.07E-03 | 8.83E-04 | 3.88E-04 | 4.48E-04 | 4.48E-04 | 4.75E-04 |
| Y MARROW | G | 4.72E-04 | 1.93E-04 | 3.04E-04 | 3.85E-04 | 3.60E-04 | 4.55E-04 | 4.35E-04 | 3.98E-04 | 3.63E-04 | 3.63E-04 | 3.86E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.72E-04 | 1.93E-04 | 3.04E-04 | 3.85E-04 | 3.60E-04 | 4.55E-04 | 4.35E-04 | 3.98E-04 | 3.63E-04 | 3.63E-04 | 3.86E-04 |
| T E CL | G | 4.83E-04 | 2.08E-04 | 2.15E-04 | 2.82E-04 | 2.56E-04 | 3.67E-04 | 3.54E-04 | 2.69E-04 | 3.52E-04 | 3.52E-04 | 4.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.83E-04 | 2.08E-04 | 2.15E-04 | 2.82E-04 | 2.56E-04 | 3.67E-04 | 3.54E-04 | 2.69E-04 | 3.52E-04 | 3.52E-04 | 4.14E-04 |
| SKIN | G | 2.73E-04 | 2.57E-04 | 2.33E-04 | 2.20E-04 | 2.16E-04 | 2.48E-04 | 2.52E-04 | 2.38E-04 | 2.61E-04 | 2.61E-04 | 3.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.73E-04 | 2.57E-04 | 2.33E-04 | 2.20E-04 | 2.16E-04 | 2.48E-04 | 2.52E-04 | 2.38E-04 | 2.61E-04 | 2.61E-04 | 3.46E-04 |
| SPLEEN | G | 2.11E-03 | 8.82E-05 | 3.32E-03 | 6.07E-04 | 5.18E-04 | 3.66E-04 | 2.89E-03 | 3.66E-04 | 7.02E-04 | 7.02E-04 | 5.36E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.11E-03 | 8.82E-05 | 3.32E-03 | 6.07E-04 | 5.18E-04 | 3.66E-04 | 2.89E-03 | 3.66E-04 | 7.02E-04 | 7.02E-04 | 5.36E-04 |
| TESTES | G | 3.63E-05 | 1.64E-03 | 5.86E-05 | 2.11E-04 | 1.76E-04 | 6.32E-04 | 6.71E-05 | 5.81E-05 | 1.54E-05 | 1.54E-05 | 4.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.63E-05 | 1.64E-03 | 5.86E-05 | 2.11E-04 | 1.76E-04 | 6.32E-04 | 6.71E-05 | 5.81E-05 | 1.54E-05 | 1.54E-05 | 4.80E-04 |
| THYMUS | G | 2.59E-04 | 1.93E-05 | 2.28E-04 | 6.27E-05 | 6.74E-05 | 3.03E-05 | 1.11E-04 | 3.13E-04 | 1.52E-03 | 1.52E-03 | 7.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.59E-04 | 1.93E-05 | 2.28E-04 | 6.27E-05 | 6.74E-05 | 3.03E-05 | 1.11E-04 | 3.13E-04 | 1.52E-03 | 1.52E-03 | 7.51E-04 |
| THYROID | G | 9.09E-05 | 7.73E-06 | 6.76E-05 | 2.29E-05 | 2.41E-05 | 1.22E-05 | 4.58E-05 | 7.92E-05 | 3.74E-04 | 3.74E-04 | 4.96E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.09E-05 | 7.73E-06 | 6.76E-05 | 2.29E-05 | 2.41E-05 | 1.22E-05 | 4.58E-05 | 7.92E-05 | 3.74E-04 | 3.74E-04 | 4.96E-04 |
| UTERUS | G | 1.76E-04 | 4.96E-03 | 3.63E-04 | 2.93E-03 | 1.77E-03 | 2.06E-03 | 3.68E-04 | 2.13E-04 | 8.22E-05 | 8.22E-05 | 7.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.76E-04 | 4.96E-03 | 3.63E-04 | 2.93E-03 | 1.77E-03 | 2.06E-03 | 3.68E-04 | 2.13E-04 | 8.22E-05 | 8.22E-05 | 7.24E-04 |
| T BODY | G | 6.07E-04 | 6.69E-04 | 6.39E-04 | 7.00E-04 | 6.85E-04 | 6.83E-04 | 6.15E-04 | 6.11E-04 | 5.19E-04 | 5.19E-04 | 5.25E-04 |
| | B | 4.07E-04 | 4.58E-05 | 1.22E-04 | 3.26E-04 | 1.94E-04 | 2.41E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 |
| | T | 1.01E-03 | 7.15E-04 | 7.61E-04 | 1.03E-03 | 8.79E-04 | 9.24E-04 | 1.02E-03 | 1.02E-03 | 9.26E-04 | 9.26E-04 | 9.32E-04 |

CONTINUED NEXT PAGE

57-LANTHANUM-140 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.07E-04 | 2.76E-03 | 6.74E-04 | 6.74E-04 | 7.57E-04 | 4.31E-04 | 3.18E-04 | 2.32E-03 | 3.63E-05 | 8.45E-05 | 9.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 2.07E-04 | 2.76E-03 | 6.74E-04 | 6.74E-04 | 7.57E-04 | 4.31E-04 | 3.18E-04 | 2.32E-03 | 3.63E-05 | 8.45E-05 | 1.37E-03 |
| BLAD WALL | G | 2.39E-03 | 1.14E-04 | 2.61E-04 | 2.61E-04 | 3.74E-04 | 1.49E-04 | 2.91E-04 | 1.01E-04 | 1.72E-03 | 7.76E-06 | 6.64E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 2.39E-03 | 1.14E-04 | 2.61E-04 | 2.61E-04 | 3.74E-04 | 1.49E-04 | 2.91E-04 | 1.01E-04 | 1.72E-03 | 7.76E-06 | 1.07E-03 |
| GI TRACT S WALL | G | 3.58E-04 | 5.93E-03 | 2.18E-04 | 2.18E-04 | 3.96E-04 | 2.72E-04 | 2.41E-04 | 3.57E-03 | 4.65E-05 | 6.22E-05 | 5.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 3.58E-04 | 5.93E-03 | 2.18E-04 | 2.18E-04 | 3.96E-04 | 2.72E-04 | 2.41E-04 | 3.57E-03 | 4.65E-05 | 6.22E-05 | 9.53E-04 |
| SI+CONT | G | 4.01E-03 | 6.59E-04 | 2.88E-04 | 2.88E-04 | 9.09E-04 | 3.80E-04 | 2.22E-04 | 5.32E-04 | 2.09E-04 | 1.83E-05 | 6.96E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 4.01E-03 | 6.59E-04 | 2.88E-04 | 2.88E-04 | 9.09E-04 | 3.80E-04 | 2.22E-04 | 5.32E-04 | 2.09E-04 | 1.83E-05 | 1.10E-03 |
| ULI WALL | G | 3.81E-03 | 7.87E-04 | 2.76E-04 | 2.76E-04 | 7.09E-04 | 3.58E-04 | 2.18E-04 | 5.38E-04 | 1.60E-04 | 2.12E-05 | 6.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 3.81E-03 | 7.87E-04 | 2.76E-04 | 2.76E-04 | 7.09E-04 | 3.58E-04 | 2.18E-04 | 5.38E-04 | 1.60E-04 | 2.12E-05 | 1.06E-03 |
| LLI WALL | G | 4.85E-03 | 2.40E-04 | 3.58E-04 | 3.58E-04 | 1.08E-03 | 3.53E-04 | 2.32E-04 | 2.52E-04 | 9.43E-04 | 1.06E-05 | 7.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 4.85E-03 | 2.40E-04 | 3.58E-04 | 3.58E-04 | 1.08E-03 | 3.53E-04 | 2.32E-04 | 2.52E-04 | 9.43E-04 | 1.06E-05 | 1.14E-03 |
| KIDNEYS | G | 4.07E-04 | 2.16E-03 | 3.63E-04 | 3.63E-04 | 9.29E-04 | 4.23E-04 | 2.81E-04 | 3.00E-03 | 5.73E-05 | 5.48E-05 | 6.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 4.07E-04 | 2.16E-03 | 3.63E-04 | 3.63E-04 | 9.29E-04 | 4.23E-04 | 2.81E-04 | 3.00E-03 | 5.73E-05 | 5.48E-05 | 1.01E-03 |
| LIVER | G | 2.51E-04 | 1.44E-03 | 2.75E-04 | 2.75E-04 | 3.87E-04 | 4.10E-04 | 2.58E-04 | 4.03E-04 | 4.26E-05 | 8.28E-05 | 6.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 2.51E-04 | 1.44E-03 | 2.75E-04 | 2.75E-04 | 3.87E-04 | 4.10E-04 | 2.58E-04 | 4.03E-04 | 4.26E-05 | 8.28E-05 | 1.02E-03 |
| LUNGS | G | 6.19E-05 | 8.20E-04 | 3.63E-04 | 3.63E-04 | 4.57E-04 | 3.78E-04 | 2.69E-04 | 7.61E-04 | 1.48E-05 | 3.98E-04 | 4.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 6.19E-05 | 8.20E-04 | 3.63E-04 | 3.63E-04 | 4.57E-04 | 3.78E-04 | 2.69E-04 | 7.61E-04 | 1.48E-05 | 3.98E-04 | 9.06E-04 |
| RESP LYM NODE | G | 6.19E-05 | 8.20E-04 | 3.63E-04 | 3.63E-04 | 4.57E-04 | 3.78E-04 | 2.69E-04 | 7.61E-04 | 1.48E-05 | 3.98E-04 | 4.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 6.19E-05 | 8.20E-04 | 3.63E-04 | 3.63E-04 | 4.57E-04 | 3.78E-04 | 2.69E-04 | 7.61E-04 | 1.48E-05 | 3.98E-04 | 9.06E-04 |
| MUSCLE* | G | 7.12E-04 | 6.44E-04 | 4.14E-04 | 4.14E-04 | 4.80E-04 | 3.79E-04 | 3.46E-04 | 5.36E-04 | 4.80E-04 | 4.96E-04 | 5.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 7.12E-04 | 6.44E-04 | 4.14E-04 | 4.14E-04 | 4.80E-04 | 3.79E-04 | 3.46E-04 | 5.36E-04 | 4.80E-04 | 4.96E-04 | 9.32E-04 |
| OVARIES | G | 2.70E-01 | 2.64E-04 | 3.44E-04 | 3.44E-04 | 1.25E-03 | 3.46E-04 | 2.01E-04 | 2.35E-04 | 1.77E-47 | 1.25E-05 | 7.14E-04 |
| | B | 2.59E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 2.86E 00 | 2.64E-04 | 3.44E-04 | 3.44E-04 | 1.25E-03 | 3.46E-04 | 2.01E-04 | 2.35E-04 | 1.77E-47 | 1.25E-05 | 1.12E-03 |

57-LANTHANUM-140 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.11E-04 | 7.47E-02 | 4.09E-04 | 4.09E-04 | 4.96E-04 | 4.04E-04 | 2.11E-04 | 6.32E-03 | 4.86E-05 | 1.16E-04 | 6.66E-04 |
| | B | 0.0 | 2.85E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 2.11E-04 | 3.60E-01 | 4.09E-04 | 4.09E-04 | 4.96E-04 | 4.04E-04 | 2.11E-04 | 6.32E-03 | 4.86E-05 | 1.16E-04 | 1.07E-03 |
| SKELETON BONE | G | 3.26E-04 | 3.31E-04 | 1.21E-03 | 1.21E-03 | 8.15E-04 | 9.11E-04 | 3.19E-04 | 2.80E-04 | 2.40E-04 | 2.76E-04 | 5.24E-04 |
| | B | 0.0 | 0.0 | 5.70E-03 | 3.35E-03 | 1.57E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 3.26E-04 | 3.31E-04 | 6.91E-03 | 4.56E-03 | 2.38E-03 | 9.11E-04 | 3.19E-04 | 2.80E-04 | 2.40E-04 | 2.76E-04 | 9.31E-04 |
| R MARROW | G | 1.04E-03 | 6.13E-04 | 1.09E-03 | 1.09E-03 | 2.58E-03 | 9.28E-04 | 2.99E-04 | 4.04E-04 | 1.87E-04 | 3.04E-04 | 5.73E-04 |
| | B | 0.0 | 0.0 | 3.02E-04 | 7.84E-03 | 1.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 1.04E-03 | 6.13E-04 | 1.40E-03 | 8.93E-03 | 1.55E-02 | 9.28E-04 | 2.99E-04 | 4.04E-04 | 1.87E-04 | 3.04E-04 | 9.81E-04 |
| Y MARROW | G | 4.26E-04 | 3.90E-04 | 1.04E-03 | 1.04E-03 | 1.00E-03 | 1.55E-03 | 3.39E-04 | 4.14E-04 | 1.11E-04 | 1.54E-04 | 4.84E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.90E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 4.26E-04 | 3.90E-04 | 1.04E-03 | 1.04E-03 | 1.00E-03 | 2.05E-02 | 3.39E-04 | 4.14E-04 | 1.11E-04 | 1.54E-04 | 8.91E-04 |
| T E CL | G | 3.26E-04 | 3.31E-04 | 1.21E-03 | 1.21E-03 | 1.09E-03 | 1.00E-03 | 3.19E-04 | 2.80E-04 | 2.40E-04 | 2.76E-04 | 5.24E-04 |
| | B | 0.0 | 0.0 | 3.64E-03 | 5.78E-03 | 5.65E-03 | 4.75E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 3.26E-04 | 3.31E-04 | 4.85E-03 | 6.99E-03 | 6.74E-03 | 5.75E-03 | 3.19E-04 | 2.80E-04 | 2.40E-04 | 2.76E-04 | 9.31E-04 |
| SKIN | G | 2.02E-04 | 2.05E-04 | 3.29E-04 | 3.29E-04 | 2.91E-04 | 3.52E-04 | 7.50E-04 | 2.36E-04 | 5.90E-04 | 3.41E-04 | 3.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.10E-02 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 2.02E-04 | 2.05E-04 | 3.29E-04 | 3.29E-04 | 2.91E-04 | 3.52E-04 | 1.17E-02 | 2.36E-04 | 5.90E-04 | 3.41E-04 | 7.63E-04 |
| SPLEEN | G | 2.26E-04 | 6.45E-03 | 2.65E-04 | 2.65E-04 | 3.54E-04 | 4.44E-04 | 2.34E-04 | 4.51E-02 | 3.72E-05 | 6.70E-05 | 5.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.58E-01 | 0.0 | 0.0 | 4.07E-04 |
| | T | 2.26E-04 | 6.45E-03 | 2.65E-04 | 2.65E-04 | 3.54E-04 | 4.44E-04 | 2.34E-04 | 2.03E-01 | 3.72E-05 | 6.70E-05 | 9.84E-04 |
| TESTES | G | 1.77E-47 | 4.77E-05 | 2.95E-04 | 2.95E-04 | 1.14E-04 | 3.32E-04 | 3.53E-04 | 4.62E-05 | 1.24E-01 | 3.66E-06 | 5.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.14E-01 | 0.0 | 4.07E-04 |
| | T | 1.77E-47 | 4.77E-05 | 2.95E-04 | 2.95E-04 | 1.14E-04 | 3.32E-04 | 3.53E-04 | 4.62E-05 | 9.39E-01 | 3.66E-06 | 1.01E-03 |
| THYMUS | G | 3.21E-05 | 2.39E-04 | 2.21E-04 | 2.21E-04 | 3.27E-04 | 2.57E-04 | 2.67E-04 | 1.34E-04 | 8.66E-06 | 1.59E-03 | 6.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 3.21E-05 | 2.39E-04 | 2.21E-04 | 2.21E-04 | 3.27E-04 | 2.57E-04 | 2.67E-04 | 1.34E-04 | 8.66E-06 | 1.59E-03 | 1.06E-03 |
| THYROID | G | 1.25E-05 | 7.34E-05 | 3.43E-04 | 3.43E-04 | 2.88E-04 | 2.65E-04 | 2.91E-04 | 6.60E-05 | 3.66E-06 | 1.71E-01 | 5.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.42E 00 | 4.07E-04 |
| | T | 1.25E-05 | 7.34E-05 | 3.43E-04 | 3.43E-04 | 2.88E-04 | 2.65E-04 | 2.91E-04 | 6.60E-05 | 3.66E-06 | 1.60E 00 | 9.11E-04 |
| UTERUS | G | 5.98E-03 | 2.28E-04 | 2.37E-04 | 2.37E-04 | 6.18E-04 | 2.17E-04 | 2.40E-04 | 1.35E-04 | 1.77E-47 | 1.20E-05 | 6.66E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 |
| | T | 5.98E-03 | 2.28E-04 | 2.37E-04 | 2.37E-04 | 6.18E-04 | 2.17E-04 | 2.40E-04 | 1.35E-04 | 1.77E-47 | 1.20E-05 | 1.07E-03 |
| T BODY | G | 7.11E-04 | 7.00E-04 | 5.23E-04 | 5.23E-04 | 5.77E-04 | 4.67E-04 | 3.47E-04 | 6.10E-04 | 5.26E-04 | 4.75E-04 | 5.22E-04 |
| | B | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 | 4.07E-04 |
| | T | 1.12E-03 | 1.11E-03 | 9.30E-04 | 9.30E-04 | 9.85E-04 | 8.74E-04 | 7.54E-04 | 1.02E-03 | 9.33E-04 | 8.82E-04 | 9.29E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-KALINMIKOV, V. G. ET AL., BUL. ACAD. SCI. USSR PHYS. SER. 34, 916 (1970)
DATE DECAY DATA REVIEWED-AUGUST 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 58-CERIUM-139 (TR=1.400E 02 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.04E-02 | 4.33E-06 | 7.19E-05 | 3.31E-05 | 2.51E-05 | 1.03E-05 | 3.83E-04 | 1.54E-04 | 7.55E-05 | 7.55E-05 | 4.95E-05 |
| | B | 1.30E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.51E-01 | 4.33E-06 | 7.19E-05 | 3.31E-05 | 2.51E-05 | 1.03E-05 | 3.83E-04 | 1.54E-04 | 7.55E-05 | 7.55E-05 | 4.95E-05 |
| BLAD WALL | G | 3.24E-06 | 2.94E-03 | 6.40E-06 | 7.43E-05 | 6.11E-05 | 2.09E-04 | 7.50E-06 | 3.98E-06 | 1.07E-06 | 1.07E-06 | 5.73E-05 |
| | B | 0.0 | 4.56E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.24E-06 | 7.50E-03 | 6.40E-06 | 7.43E-05 | 6.11E-05 | 2.09E-04 | 7.50E-06 | 3.98E-06 | 1.07E-06 | 1.07E-06 | 5.73E-05 |
| GI TRACT S WALL | G | 8.23E-05 | 7.10E-06 | 2.10E-03 | 1.13E-04 | 1.24E-04 | 5.22E-05 | 1.01E-04 | 5.44E-05 | 5.77E-05 | 5.77E-05 | 4.34E-05 |
| | B | 0.0 | 0.0 | 3.65E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.23E-05 | 7.10E-06 | 5.75E-03 | 1.13E-04 | 1.24E-04 | 5.22E-05 | 1.01E-04 | 5.44E-05 | 5.77E-05 | 5.77E-05 | 4.34E-05 |
| SI+CONT | G | 2.19E-05 | 8.30E-05 | 7.73E-05 | 1.22E-03 | 6.10E-04 | 3.35E-04 | 8.28E-05 | 4.64E-05 | 4.96E-06 | 4.96E-06 | 4.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 2.28E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.19E-05 | 8.30E-05 | 7.73E-05 | 3.50E-03 | 6.10E-04 | 3.35E-04 | 8.28E-05 | 4.64E-05 | 4.96E-06 | 4.96E-06 | 4.86E-05 |
| ULI WALL | G | 2.44E-05 | 6.22E-05 | 1.12E-04 | 9.23E-04 | 1.71E-03 | 1.45E-04 | 8.21E-05 | 7.50E-05 | 5.96E-06 | 5.96E-06 | 5.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.14E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.44E-05 | 6.22E-05 | 1.12E-04 | 9.23E-04 | 5.86E-03 | 1.45E-04 | 8.21E-05 | 7.50E-05 | 5.96E-06 | 5.96E-06 | 5.11E-05 |
| LLI WALL | G | 5.69E-06 | 2.33E-04 | 3.43E-05 | 2.61E-04 | 1.02E-04 | 2.07E-03 | 2.05E-05 | 5.93E-06 | 2.24E-06 | 2.24E-06 | 5.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.75E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.69E-06 | 2.33E-04 | 3.43E-05 | 2.61E-04 | 1.02E-04 | 8.82E-03 | 2.05E-05 | 5.93E-06 | 2.24E-06 | 2.24E-06 | 5.30E-05 |
| KIDNEYS | G | 4.04E-04 | 6.90E-06 | 1.02E-04 | 8.96E-05 | 8.02E-05 | 2.43E-05 | 3.01E-03 | 1.20E-04 | 2.37E-05 | 2.37E-05 | 4.57E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.88E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.04E-04 | 6.90E-06 | 1.02E-04 | 8.96E-05 | 8.02E-05 | 2.43E-05 | 8.89E-03 | 1.20E-04 | 2.37E-05 | 2.37E-05 | 4.57E-05 |
| LIVER | G | 1.60E-04 | 4.80E-06 | 5.66E-05 | 5.34E-05 | 7.63E-05 | 6.76E-06 | 1.19E-04 | 1.00E-03 | 8.06E-05 | 8.06E-05 | 3.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.01E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.60E-04 | 4.80E-06 | 5.66E-05 | 5.34E-05 | 7.63E-05 | 6.76E-06 | 1.19E-04 | 2.02E-03 | 8.06E-05 | 8.06E-05 | 3.41E-05 |
| LUNGS | G | 7.65E-05 | 6.22E-07 | 5.42E-05 | 6.04E-06 | 6.92E-06 | 2.09E-06 | 2.33E-05 | 8.48E-05 | 6.59E-04 | 6.59E-04 | 4.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.82E-03 | 1.82E-03 | 0.0 |
| | T | 7.65E-05 | 6.22E-07 | 5.42E-05 | 6.04E-06 | 6.92E-06 | 2.09E-06 | 2.33E-05 | 8.48E-05 | 2.48E-03 | 2.48E-03 | 4.51E-05 |
| RESP LYM NODE | G | 7.65E-05 | 6.22E-07 | 5.42E-05 | 6.04E-06 | 6.92E-06 | 2.09E-06 | 2.33E-05 | 8.48E-05 | 6.38E-04 | 6.59E-04 | 4.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-03 | 1.22E-01 | 0.0 |
| | T | 7.65E-05 | 6.22E-07 | 5.42E-05 | 6.04E-06 | 6.92E-06 | 2.09E-06 | 2.33E-05 | 8.48E-05 | 2.17E-03 | 1.22E-01 | 4.51E-05 |
| MUSCLE* | G | 4.95E-05 | 5.73E-05 | 4.51E-05 | 4.86E-05 | 4.64E-05 | 5.30E-05 | 4.57E-05 | 3.41E-05 | 4.51E-05 | 4.51E-05 | 4.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.51E-05 |
| | T | 4.95E-05 | 5.73E-05 | 4.51E-05 | 4.86E-05 | 4.64E-05 | 5.30E-05 | 4.57E-05 | 3.41E-05 | 4.51E-05 | 4.51E-05 | 1.15E-04 |
| OVARIES | G | 1.53E-05 | 2.28E-04 | 1.27E-05 | 3.54E-04 | 3.86E-04 | 6.91E-04 | 3.09E-05 | 1.23E-05 | 2.73E-06 | 2.73E-06 | 6.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.53E-05 | 2.28E-04 | 1.27E-05 | 3.54E-04 | 3.86E-04 | 6.91E-04 | 3.09E-05 | 1.23E-05 | 2.73E-06 | 2.73E-06 | 6.54E-05 |

58-CERIUM-139 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.77E-04 | 6.66E-06 | 6.37E-04 | 5.62E-05 | 6.49E-05 | 1.92E-05 | 1.99E-04 | 1.26E-04 | 7.75E-05 | 7.75E-05 | 6.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.77E-04 | 6.66E-06 | 6.37E-04 | 5.62E-05 | 6.49E-05 | 1.92E-05 | 1.99E-04 | 1.26E-04 | 7.75E-05 | 7.75E-05 | 6.03E-05 |
| SKELETON BONE | G | 6.61E-05 | 2.39E-05 | 2.58E-05 | 3.70E-05 | 3.35E-05 | 5.52E-05 | 4.43E-05 | 3.43E-05 | 4.84E-05 | 4.84E-05 | 2.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.61E-05 | 2.39E-05 | 2.58E-05 | 3.70E-05 | 3.35E-05 | 5.52E-05 | 4.43E-05 | 3.43E-05 | 4.84E-05 | 4.84E-05 | 2.96E-05 |
| R MARROW | G | 1.16E-04 | 5.81E-05 | 4.36E-05 | 1.28E-04 | 1.12E-04 | 1.86E-04 | 1.17E-04 | 4.62E-05 | 6.03E-05 | 6.03E-05 | 6.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-04 | 5.81E-05 | 4.36E-05 | 1.28E-04 | 1.12E-04 | 1.86E-04 | 1.17E-04 | 4.62E-05 | 6.03E-05 | 6.03E-05 | 6.75E-05 |
| Y MARROW | G | 6.26E-05 | 2.29E-05 | 3.62E-05 | 5.18E-05 | 4.80E-05 | 7.04E-05 | 5.41E-05 | 5.18E-05 | 5.17E-05 | 5.17E-05 | 5.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.26E-05 | 2.29E-05 | 3.62E-05 | 5.18E-05 | 4.80E-05 | 7.04E-05 | 5.41E-05 | 5.18E-05 | 5.17E-05 | 5.17E-05 | 5.21E-05 |
| T E CL | G | 6.61E-05 | 2.39E-05 | 2.58E-05 | 3.70E-05 | 3.35E-05 | 5.52E-05 | 4.43E-05 | 3.43E-05 | 4.84E-05 | 4.84E-05 | 2.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.61E-05 | 2.39E-05 | 2.58E-05 | 3.70E-05 | 3.35E-05 | 5.52E-05 | 4.43E-05 | 3.43E-05 | 4.84E-05 | 4.84E-05 | 2.96E-05 |
| SKIN | G | 1.65E-05 | 1.64E-05 | 1.35E-05 | 1.20E-05 | 1.23E-05 | 1.44E-05 | 1.71E-05 | 1.49E-05 | 1.66E-05 | 1.66E-05 | 2.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.65E-05 | 1.64E-05 | 1.35E-05 | 1.20E-05 | 1.23E-05 | 1.44E-05 | 1.71E-05 | 1.49E-05 | 1.66E-05 | 1.66E-05 | 2.53E-05 |
| SPLEEN | G | 2.07E-04 | 1.13E-05 | 3.25E-04 | 4.29E-05 | 3.92E-05 | 2.13E-05 | 3.05E-04 | 2.48E-05 | 7.47E-05 | 7.47E-05 | 4.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.07E-04 | 1.13E-05 | 3.25E-04 | 4.29E-05 | 3.92E-05 | 2.13E-05 | 3.05E-04 | 2.48E-05 | 7.47E-05 | 7.47E-05 | 4.83E-05 |
| TESTES | G | 9.50E-07 | 1.40E-04 | 1.45E-06 | 8.39E-06 | 7.45E-06 | 5.41E-05 | 2.53E-06 | 1.80E-06 | 2.51E-07 | 2.51E-07 | 3.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.50E-07 | 1.40E-04 | 1.45E-06 | 8.39E-06 | 7.45E-06 | 5.41E-05 | 2.53E-06 | 1.80E-06 | 2.51E-07 | 2.51E-07 | 3.63E-05 |
| THYMUS | G | 1.03E-05 | 3.38E-07 | 6.94E-06 | 2.32E-06 | 2.75E-06 | 7.93E-07 | 5.03E-06 | 1.65E-05 | 1.31E-04 | 1.31E-04 | 7.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-05 | 3.38E-07 | 6.94E-06 | 2.32E-06 | 2.75E-06 | 7.93E-07 | 5.03E-06 | 1.65E-05 | 1.31E-04 | 1.31E-04 | 7.78E-05 |
| THYROID | G | 3.55E-06 | 6.84E-08 | 2.54E-06 | 4.58E-07 | 5.04E-07 | 1.71E-07 | 1.40E-06 | 4.55E-06 | 2.36E-05 | 2.36E-05 | 4.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.55E-06 | 6.84E-08 | 2.54E-06 | 4.58E-07 | 5.04E-07 | 1.71E-07 | 1.40E-06 | 4.55E-06 | 2.36E-05 | 2.36E-05 | 4.69E-05 |
| UTERUS | G | 4.04E-05 | 5.41E-04 | 2.05E-05 | 3.14E-04 | 1.51E-04 | 2.13E-04 | 2.59E-05 | 1.01E-05 | 2.27E-06 | 2.27E-06 | 7.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.04E-05 | 5.41E-04 | 2.05E-05 | 3.14E-04 | 1.51E-04 | 2.13E-04 | 2.59E-05 | 1.01E-05 | 2.27E-06 | 2.27E-06 | 7.69E-05 |
| T BODY | G | 5.85E-05 | 6.42E-05 | 6.15E-05 | 6.83E-05 | 6.65E-05 | 6.67E-05 | 5.81E-05 | 5.93E-05 | 5.31E-05 | 5.31E-05 | 4.63E-05 |
| | B | 2.60E-05 | 2.93E-06 | 7.81E-06 | 2.08E-05 | 1.24E-05 | 1.54E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 |
| | T | 8.45E-05 | 6.72E-05 | 6.93E-05 | 8.91E-05 | 7.90E-05 | 8.22E-05 | 8.41E-05 | 8.54E-05 | 7.92E-05 | 7.92E-05 | 7.23E-05 |

CONTINUED NEXT PAGE

58-CERIUM-139 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 8.86E-06 | 2.77E-04 | 3.40E-05 | 3.40E-05 | 7.18E-05 | 3.72E-05 | 2.19E-05 | 2.06E-04 | 9.50E-07 | 3.55E-06 | 5.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 8.86E-06 | 2.77E-04 | 3.40E-05 | 3.40E-05 | 7.18E-05 | 3.72E-05 | 2.19E-05 | 2.06E-04 | 9.50E-07 | 3.55E-06 | 8.34E-05 |
| BLAD WALL | G | 2.17E-04 | 3.75E-06 | 1.31E-05 | 1.31E-05 | 2.52E-05 | 1.08E-05 | 1.53E-05 | 3.58E-06 | 1.46E-04 | 6.92E-08 | 5.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 2.17E-04 | 3.75E-06 | 1.31E-05 | 1.31E-05 | 2.52E-05 | 1.08E-05 | 1.53E-05 | 3.58E-06 | 1.46E-04 | 6.92E-08 | 8.41E-05 |
| GI TRACT S WALL | G | 2.13E-05 | 6.56E-04 | 1.58E-05 | 1.58E-05 | 2.78E-05 | 2.22E-05 | 1.65E-05 | 3.21E-04 | 9.75E-07 | 1.14E-06 | 5.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 2.13E-05 | 6.56E-04 | 1.58E-05 | 1.58E-05 | 2.78E-05 | 2.22E-05 | 1.65E-05 | 3.21E-04 | 9.75E-07 | 1.14E-06 | 8.52E-05 |
| SI+CONT | G | 4.24E-04 | 5.00E-05 | 2.14E-05 | 2.14E-05 | 7.49E-05 | 3.06E-05 | 1.30E-05 | 3.86E-05 | 9.84E-06 | 3.03E-07 | 6.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 4.24E-04 | 5.00E-05 | 2.14E-05 | 2.14E-05 | 7.49E-05 | 3.06E-05 | 1.30E-05 | 3.86E-05 | 9.84E-06 | 3.03E-07 | 9.31E-05 |
| ULI WALL | G | 4.08E-04 | 6.00E-05 | 2.01E-05 | 2.01E-05 | 6.15E-05 | 2.66E-05 | 1.35E-05 | 3.78E-05 | 8.60E-06 | 2.80E-07 | 6.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 4.08E-04 | 6.00E-05 | 2.01E-05 | 2.01E-05 | 6.15E-05 | 2.66E-05 | 1.35E-05 | 3.78E-05 | 8.60E-06 | 2.80E-07 | 8.98E-05 |
| LLI WALL | G | 5.43E-04 | 1.51E-05 | 3.12E-05 | 3.12E-05 | 9.09E-05 | 2.76E-05 | 1.36E-05 | 1.66E-05 | 8.00E-05 | 1.38E-07 | 5.95E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 5.43E-04 | 1.51E-05 | 3.12E-05 | 3.12E-05 | 9.09E-05 | 2.76E-05 | 1.36E-05 | 1.66E-05 | 8.00E-05 | 1.38E-07 | 8.56E-05 |
| KIDNEYS | G | 2.49E-05 | 2.00E-04 | 2.45E-05 | 2.45E-05 | 6.35E-05 | 3.09E-05 | 1.90E-05 | 3.13E-04 | 1.19E-06 | 9.03E-07 | 5.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 2.49E-05 | 2.00E-04 | 2.45E-05 | 2.45E-05 | 6.35E-05 | 3.09E-05 | 1.90E-05 | 3.13E-04 | 1.19E-06 | 9.03E-07 | 8.19E-05 |
| LIVER | G | 1.46E-05 | 1.35E-04 | 1.90E-05 | 1.90E-05 | 2.63E-05 | 2.92E-05 | 1.63E-05 | 2.65E-05 | 8.87E-07 | 2.66E-06 | 5.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 1.46E-05 | 1.35E-04 | 1.90E-05 | 1.90E-05 | 2.63E-05 | 2.92E-05 | 1.63E-05 | 2.65E-05 | 8.87E-07 | 2.66E-06 | 8.30E-05 |
| LUNGS | G | 1.63E-06 | 7.68E-05 | 2.88E-05 | 2.88E-05 | 3.51E-05 | 3.01E-05 | 1.88E-05 | 7.35E-05 | 2.23E-07 | 2.60E-05 | 5.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 1.63E-06 | 7.68E-05 | 2.88E-05 | 2.88E-05 | 3.51E-05 | 3.01E-05 | 1.88E-05 | 7.35E-05 | 2.23E-07 | 2.60E-05 | 7.78E-05 |
| RESP LYM NODE | G | 1.63E-06 | 7.68E-05 | 2.88E-05 | 2.88E-05 | 3.51E-05 | 3.01E-05 | 1.88E-05 | 7.35E-05 | 2.23E-07 | 2.60E-05 | 5.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 1.63E-06 | 7.68E-05 | 2.88E-05 | 2.88E-05 | 3.51E-05 | 3.01E-05 | 1.88E-05 | 7.35E-05 | 2.23E-07 | 2.60E-05 | 7.78E-05 |
| MUSCLE* | G | 6.54E-05 | 6.03E-05 | 2.96E-05 | 2.96E-05 | 3.60E-05 | 2.71E-05 | 2.53E-05 | 4.83E-05 | 3.63E-05 | 4.69E-05 | 4.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 6.54E-05 | 6.03E-05 | 2.96E-05 | 2.96E-05 | 3.60E-05 | 2.71E-05 | 2.53E-05 | 4.83E-05 | 3.63E-05 | 4.69E-05 | 7.23E-05 |
| OVARIES | G | 3.44E-02 | 9.70E-06 | 2.27E-05 | 2.27E-05 | 8.06E-05 | 4.01E-05 | 1.21E-05 | 1.22E-05 | 6.92E-46 | 1.58E-07 | 6.19E-05 |
| | B | 1.66E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 2.00E-01 | 9.70E-06 | 2.27E-05 | 2.27E-05 | 8.06E-05 | 4.01E-05 | 1.21E-05 | 1.22E-05 | 6.92E-46 | 1.58E-07 | 8.80E-05 |

58-CERIUM-139 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.28E-05 | 9.04E-03 | 2.62E-05 | 2.62E-05 | 4.57E-05 | 3.29E-05 | 1.38E-05 | 7.08E-04 | 1.61E-06 | 2.23E-06 | 6.70E-05 |
| | B | 0.0 | 1.82E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 1.28E-05 | 2.73E-02 | 2.62E-05 | 2.62E-05 | 4.57E-05 | 3.29E-05 | 1.38E-05 | 7.08E-04 | 1.61E-06 | 2.23E-06 | 9.31E-05 |
| SKELETON BONE | G | 4.69E-05 | 4.14E-05 | 1.92E-04 | 1.92E-04 | 1.24E-04 | 1.45E-04 | 3.53E-05 | 3.51E-05 | 2.40E-05 | 2.87E-05 | 7.28E-05 |
| | B | 0.0 | 0.0 | 3.65E-04 | 2.92E-04 | 4.81E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 4.69E-05 | 4.14E-05 | 5.56E-04 | 4.84E-04 | 1.72E-04 | 1.45E-04 | 3.53E-05 | 3.51E-05 | 2.40E-05 | 2.87E-05 | 9.88E-05 |
| R MARROW | G | 1.72E-04 | 7.89E-05 | 1.74E-04 | 1.74E-04 | 4.49E-04 | 1.48E-04 | 3.31E-05 | 4.95E-05 | 1.88E-05 | 3.07E-05 | 8.45E-05 |
| | B | 0.0 | 0.0 | 2.73E-06 | 2.41E-04 | 1.05E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 1.72E-04 | 7.89E-05 | 1.77E-04 | 4.15E-04 | 1.50E-03 | 1.48E-04 | 3.31E-05 | 4.95E-05 | 1.88E-05 | 3.07E-05 | 1.11E-04 |
| Y MARROW | G | 6.38E-05 | 4.74E-05 | 1.70E-04 | 1.70E-04 | 1.63E-04 | 2.74E-04 | 3.88E-05 | 5.28E-05 | 8.72E-06 | 1.47E-05 | 7.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 6.38E-05 | 4.74E-05 | 1.70E-04 | 1.70E-04 | 1.63E-04 | 1.49E-03 | 3.88E-05 | 5.28E-05 | 8.72E-06 | 1.47E-05 | 9.60E-05 |
| T E CL | G | 4.69E-05 | 4.14E-05 | 1.90E-04 | 1.90E-04 | 1.81E-04 | 1.69E-04 | 3.53E-05 | 3.51E-05 | 2.40E-05 | 2.87E-05 | 7.30E-05 |
| | B | 0.0 | 0.0 | 1.74E-04 | 3.45E-04 | 3.78E-04 | 3.04E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 4.69E-05 | 4.14E-05 | 3.64E-04 | 5.35E-04 | 5.59E-04 | 4.73E-04 | 3.53E-05 | 3.51E-05 | 2.40E-05 | 2.87E-05 | 9.91E-05 |
| SKIN | G | 1.17E-05 | 1.14E-05 | 2.04E-05 | 2.04E-05 | 1.85E-05 | 2.33E-05 | 7.80E-05 | 1.43E-05 | 5.20E-05 | 2.59E-05 | 2.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.01E-04 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 1.17E-05 | 1.14E-05 | 2.04E-05 | 2.04E-05 | 1.85E-05 | 2.33E-05 | 7.79E-04 | 1.43E-05 | 5.20E-05 | 2.59E-05 | 5.22E-05 |
| SPLEEN | G | 1.33E-05 | 7.11E-04 | 1.81E-05 | 1.81E-05 | 2.57E-05 | 3.03E-05 | 1.63E-05 | 5.41E-03 | 4.74E-07 | 2.83E-06 | 5.92E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.01E-02 | 0.0 | 0.0 | 2.60E-05 |
| | T | 1.33E-05 | 7.11E-04 | 1.81E-05 | 1.81E-05 | 2.57E-05 | 3.03E-05 | 1.63E-05 | 1.55E-02 | 4.74E-07 | 2.83E-06 | 8.53E-05 |
| TESTES | G | 6.92E-46 | 1.61E-06 | 1.73E-05 | 1.73E-05 | 1.04E-05 | 2.97E-05 | 3.60E-05 | 1.42E-06 | 1.52E-02 | 1.74E-08 | 3.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.21E-02 | 0.0 | 2.60E-05 |
| | T | 6.92E-46 | 1.61E-06 | 1.73E-05 | 1.73E-05 | 1.04E-05 | 2.97E-05 | 3.60E-05 | 1.42E-06 | 6.73E-02 | 1.74E-08 | 6.55E-05 |
| THYMUS | G | 7.87E-07 | 1.82E-05 | 1.38E-05 | 1.38E-05 | 2.29E-05 | 2.21E-05 | 1.86E-05 | 8.18E-06 | 8.37E-08 | 1.25E-04 | 6.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 7.87E-07 | 1.82E-05 | 1.38E-05 | 1.38E-05 | 2.29E-05 | 2.21E-05 | 1.86E-05 | 8.18E-06 | 8.37E-08 | 1.25E-04 | 9.16E-05 |
| THYROID | G | 1.59E-07 | 3.34E-06 | 2.41E-05 | 2.41E-05 | 1.91E-05 | 3.46E-05 | 2.48E-05 | 2.48E-06 | 1.74E-08 | 2.11E-02 | 3.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.12E-02 | 2.60E-05 |
| | T | 1.59E-07 | 3.34E-06 | 2.41E-05 | 2.41E-05 | 1.91E-05 | 3.46E-05 | 2.48E-05 | 2.48E-06 | 1.74E-08 | 1.12E-01 | 6.50E-05 |
| UTERUS | G | 7.18E-04 | 1.48E-05 | 1.67E-05 | 1.67E-05 | 6.19E-05 | 1.84E-05 | 1.11E-05 | 1.02E-05 | 6.92E-46 | 1.47E-07 | 6.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-05 |
| | T | 7.18E-04 | 1.48E-05 | 1.67E-05 | 1.67E-05 | 6.19E-05 | 1.84E-05 | 1.11E-05 | 1.02E-05 | 6.92E-46 | 1.47E-07 | 9.51E-05 |
| T BODY | G | 7.00E-05 | 6.87E-05 | 5.31E-05 | 5.31E-05 | 5.74E-05 | 4.72E-05 | 2.78E-05 | 5.93E-05 | 4.68E-05 | 4.53E-05 | 5.02E-05 |
| | B | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 | 2.60E-05 |
| | T | 9.60E-05 | 9.47E-05 | 7.92E-05 | 7.92E-05 | 8.35E-05 | 7.33E-05 | 5.38E-05 | 8.54E-05 | 7.28E-05 | 7.13E-05 | 7.63E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-APRIL 1974

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 58-CERIUM-141 (TR=3.238E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 7.22E-03 | 2.19E-06 | 3.91E-05 | 1.53E-05 | 1.32E-05 | 5.11E-06 | 1.74E-04 | 6.98E-05 | 3.90E-05 | 3.90E-05 | 2.22E-05 |
| | B | 6.22E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.29E-01 | 2.19E-06 | 3.91E-05 | 1.53E-05 | 1.32E-05 | 5.11E-06 | 1.74E-04 | 6.98E-05 | 3.90E-05 | 3.90E-05 | 2.22E-05 |
| BLAD WALL | G | 1.84E-06 | 1.17E-03 | 3.71E-06 | 3.80E-05 | 3.21E-05 | 1.04E-04 | 3.97E-06 | 2.18E-06 | 5.18E-07 | 5.18E-07 | 2.71E-05 |
| | B | 0.0 | 2.18E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.84E-06 | 2.29E-02 | 3.71E-06 | 3.80E-05 | 3.21E-05 | 1.04E-04 | 3.97E-06 | 2.18E-06 | 5.18E-07 | 5.18E-07 | 2.71E-05 |
| GI TRACT S WALL | G | 4.24E-05 | 3.83E-06 | 8.48E-04 | 5.53E-05 | 5.84E-05 | 2.63E-05 | 5.25E-05 | 2.74E-05 | 2.79E-05 | 2.79E-05 | 1.97E-05 |
| | B | 0.0 | 0.0 | 1.74E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.24E-05 | 3.83E-06 | 1.83E-02 | 5.53E-05 | 5.84E-05 | 2.63E-05 | 5.25E-05 | 2.74E-05 | 2.79E-05 | 2.79E-05 | 1.97E-05 |
| SI+CONT | G | 1.17E-05 | 4.36E-05 | 3.96E-05 | 5.02E-04 | 2.69E-04 | 1.50E-04 | 4.25E-05 | 2.38E-05 | 2.65E-06 | 2.65E-06 | 2.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.09E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.17E-05 | 4.36E-05 | 3.96E-05 | 1.14E-02 | 2.69E-04 | 1.50E-04 | 4.25E-05 | 2.38E-05 | 2.65E-06 | 2.65E-06 | 2.33E-05 |
| ULI WALL | G | 1.32E-05 | 3.20E-05 | 5.41E-05 | 3.82E-04 | 6.91E-04 | 6.58E-05 | 4.21E-05 | 3.76E-05 | 3.15E-06 | 3.15E-06 | 2.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.98E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.32E-05 | 3.20E-05 | 5.41E-05 | 3.82E-04 | 2.05E-02 | 6.58E-05 | 4.21E-05 | 3.76E-05 | 3.15E-06 | 3.15E-06 | 2.42E-05 |
| LLI WALL | G | 3.05E-06 | 1.13E-04 | 1.74E-05 | 1.16E-04 | 4.89E-05 | 8.18E-04 | 1.04E-05 | 3.20E-06 | 1.04E-06 | 1.04E-06 | 2.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.05E-06 | 1.13E-04 | 1.74E-05 | 1.16E-04 | 4.89E-05 | 3.31E-02 | 1.04E-05 | 3.20E-06 | 1.04E-06 | 1.04E-06 | 2.54E-05 |
| KIDNEYS | G | 1.79E-04 | 3.70E-06 | 5.16E-05 | 4.67E-05 | 4.16E-05 | 1.24E-05 | 1.15E-03 | 5.95E-05 | 1.23E-05 | 1.23E-05 | 2.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.81E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.79E-04 | 3.70E-06 | 5.16E-05 | 4.67E-05 | 4.16E-05 | 1.24E-05 | 2.92E-02 | 5.95E-05 | 1.23E-05 | 1.23E-05 | 2.09E-05 |
| LIVER | G | 7.58E-05 | 2.42E-06 | 2.94E-05 | 2.71E-05 | 3.82E-05 | 3.53E-06 | 5.83E-05 | 4.10E-04 | 3.78E-05 | 3.78E-05 | 1.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.84E-03 | 0.0 | 0.0 | 0.0 |
| | T | 7.58E-05 | 2.42E-06 | 2.94E-05 | 2.71E-05 | 3.82E-05 | 3.53E-06 | 5.83E-05 | 5.25E-03 | 3.78E-05 | 3.78E-05 | 1.62E-05 |
| LUNGS | G | 3.71E-05 | 3.33E-07 | 2.63E-05 | 3.14E-06 | 3.69E-06 | 1.11E-06 | 1.23E-05 | 3.93E-05 | 2.48E-04 | 2.48E-04 | 2.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.71E-03 | 8.71E-03 | 0.0 |
| | T | 3.71E-05 | 3.33E-07 | 2.63E-05 | 3.14E-06 | 3.69E-06 | 1.11E-06 | 1.23E-05 | 3.93E-05 | 8.95E-03 | 8.95E-03 | 2.02E-05 |
| RESP LYM NODE | G | 3.71E-05 | 3.33E-07 | 2.63E-05 | 3.14E-06 | 3.69E-06 | 1.11E-06 | 1.23E-05 | 3.93E-05 | 2.44E-04 | 2.48E-04 | 2.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.65E-03 | 5.80E-01 | 0.0 |
| | T | 3.71E-05 | 3.33E-07 | 2.63E-05 | 3.14E-06 | 3.69E-06 | 1.11E-06 | 1.23E-05 | 3.93E-05 | 8.90E-03 | 5.81E-01 | 2.02E-05 |
| MUSCLE* | G | 2.22E-05 | 2.71E-05 | 2.13E-05 | 2.33E-05 | 2.23E-05 | 2.54E-05 | 2.09E-05 | 1.62E-05 | 2.02E-05 | 2.02E-05 | 2.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.11E-04 |
| | T | 2.22E-05 | 2.71E-05 | 2.13E-05 | 2.33E-05 | 2.23E-05 | 2.54E-05 | 2.09E-05 | 1.62E-05 | 2.02E-05 | 2.02E-05 | 3.33E-04 |
| OVARIES | G | 8.52E-06 | 1.11E-04 | 7.10E-06 | 1.66E-04 | 1.79E-04 | 2.90E-04 | 1.61E-05 | 6.42E-06 | 1.36E-06 | 1.36E-06 | 3.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.52E-06 | 1.11E-04 | 7.10E-06 | 1.66E-04 | 1.79E-04 | 2.90E-04 | 1.61E-05 | 6.42E-06 | 1.36E-06 | 1.36E-06 | 3.03E-05 |

58-CERIUM-141 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.37E-04 | 3.31E-06 | 2.88E-04 | 2.96E-05 | 3.39E-05 | 1.05E-05 | 9.86E-05 | 6.35E-05 | 3.88E-05 | 3.88E-05 | 2.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.37E-04 | 3.31E-06 | 2.88E-04 | 2.96E-05 | 3.39E-05 | 1.05E-05 | 9.86E-05 | 6.35E-05 | 3.88E-05 | 3.88E-05 | 2.77E-05 |
| SKELETON BONE | G | 3.15E-05 | 1.33E-05 | 1.35E-05 | 1.90E-05 | 1.72E-05 | 2.60E-05 | 2.21E-05 | 1.71E-05 | 2.33E-05 | 2.33E-05 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.15E-05 | 1.33E-05 | 1.35E-05 | 1.90E-05 | 1.72E-05 | 2.60E-05 | 2.21E-05 | 1.71E-05 | 2.33E-05 | 2.33E-05 | 1.45E-05 |
| R MARROW | G | 5.63E-05 | 3.21E-05 | 2.35E-05 | 6.50E-05 | 5.64E-05 | 8.37E-05 | 5.82E-05 | 2.41E-05 | 2.93E-05 | 2.93E-05 | 3.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.63E-05 | 3.21E-05 | 2.35E-05 | 6.50E-05 | 5.64E-05 | 8.37E-05 | 5.82E-05 | 2.41E-05 | 2.93E-05 | 2.93E-05 | 3.17E-05 |
| Y MARROW | G | 2.99E-05 | 1.27E-05 | 1.89E-05 | 2.67E-05 | 2.47E-05 | 3.26E-05 | 2.71E-05 | 2.56E-05 | 2.43E-05 | 2.43E-05 | 2.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.99E-05 | 1.27E-05 | 1.89E-05 | 2.67E-05 | 2.47E-05 | 3.26E-05 | 2.71E-05 | 2.56E-05 | 2.43E-05 | 2.43E-05 | 2.39E-05 |
| T E CL | G | 3.15E-05 | 1.33E-05 | 1.35E-05 | 1.90E-05 | 1.72E-05 | 2.60E-05 | 2.21E-05 | 1.71E-05 | 2.33E-05 | 2.33E-05 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.15E-05 | 1.33E-05 | 1.35E-05 | 1.90E-05 | 1.72E-05 | 2.60E-05 | 2.21E-05 | 1.71E-05 | 2.33E-05 | 2.33E-05 | 1.45E-05 |
| SKIN | G | 7.74E-06 | 8.14E-06 | 6.60E-06 | 6.05E-06 | 6.11E-06 | 7.15E-06 | 8.02E-06 | 7.27E-06 | 7.95E-06 | 7.95E-06 | 1.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.74E-06 | 8.14E-06 | 6.60E-06 | 6.05E-06 | 6.11E-06 | 7.15E-06 | 8.02E-06 | 7.27E-06 | 7.95E-06 | 7.95E-06 | 1.12E-05 |
| SPLEEN | G | 9.77E-05 | 8.59E-06 | 1.55E-04 | 2.22E-05 | 2.09E-05 | 1.15E-05 | 1.37E-04 | 1.31E-05 | 3.54E-05 | 3.54E-05 | 2.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.77E-05 | 8.59E-06 | 1.55E-04 | 2.22E-05 | 2.09E-05 | 1.15E-05 | 1.37E-04 | 1.31E-05 | 3.54E-05 | 3.54E-05 | 2.22E-05 |
| TESTES | G | 4.56E-07 | 7.00E-05 | 7.21E-07 | 4.37E-06 | 3.83E-06 | 2.63E-05 | 1.26E-06 | 8.88E-07 | 1.15E-07 | 1.15E-07 | 1.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.56E-07 | 7.00E-05 | 7.21E-07 | 4.37E-06 | 3.83E-06 | 2.63E-05 | 1.26E-06 | 8.88E-07 | 1.15E-07 | 1.15E-07 | 1.71E-05 |
| THYMUS | G | 5.70E-06 | 1.57E-07 | 3.79E-06 | 1.15E-06 | 1.42E-06 | 3.82E-07 | 2.79E-06 | 8.95E-06 | 6.51E-05 | 6.51E-05 | 3.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.70E-06 | 1.57E-07 | 3.79E-06 | 1.15E-06 | 1.42E-06 | 3.82E-07 | 2.79E-06 | 8.95E-06 | 6.51E-05 | 6.51E-05 | 3.29E-05 |
| THYROID | G | 1.78E-06 | 3.02E-08 | 1.24E-06 | 2.15E-07 | 2.37E-07 | 7.81E-08 | 6.82E-07 | 2.13E-06 | 1.30E-05 | 1.30E-05 | 2.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.78E-06 | 3.02E-08 | 1.24E-06 | 2.15E-07 | 2.37E-07 | 7.81E-08 | 6.82E-07 | 2.13E-06 | 1.30E-05 | 1.30E-05 | 2.04E-05 |
| UTERUS | G | 1.61E-05 | 2.48E-04 | 1.09E-05 | 1.49E-04 | 7.90E-05 | 1.06E-04 | 1.33E-05 | 5.45E-06 | 1.16E-06 | 1.16E-06 | 3.55E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.61E-05 | 2.48E-04 | 1.09E-05 | 1.49E-04 | 7.90E-05 | 1.06E-04 | 1.33E-05 | 5.45E-06 | 1.16E-06 | 1.16E-06 | 3.55E-05 |
| T BODY | G | 2.64E-05 | 2.93E-05 | 2.78E-05 | 3.13E-05 | 3.04E-05 | 3.05E-05 | 2.62E-05 | 2.67E-05 | 2.35E-05 | 2.35E-05 | 2.05E-05 |
| | B | 1.24E-04 | 1.40E-05 | 3.73E-05 | 9.95E-05 | 5.94E-05 | 7.37E-05 | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 |
| | T | 1.51E-04 | 4.33E-05 | 6.51E-05 | 1.31E-04 | 8.98E-05 | 1.04E-04 | 1.51E-04 | 1.51E-04 | 1.48E-04 | 1.48E-04 | 1.45E-04 |

CONTINUED NEXT PAGE

58-CERIUM-141 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 4.62E-06 | 1.38E-04 | 1.63E-05 | 1.63E-05 | 3.41E-05 | 1.75E-05 | 1.02E-05 | 9.69E-05 | 4.56E-07 | 1.78E-06 | 2.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 4.62E-06 | 1.38E-04 | 1.63E-05 | 1.63E-05 | 3.41E-05 | 1.75E-05 | 1.02E-05 | 9.69E-05 | 4.56E-07 | 1.78E-06 | 1.51E-04 |
| BLAD WALL | G | 1.08E-04 | 1.99E-06 | 7.24E-06 | 7.24E-06 | 1.41E-05 | 5.72E-06 | 7.33E-06 | 1.69E-06 | 7.22E-05 | 3.05E-08 | 2.65E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 1.08E-04 | 1.99E-06 | 7.24E-06 | 7.24E-06 | 1.41E-05 | 5.72E-06 | 7.33E-06 | 1.69E-06 | 7.22E-05 | 3.05E-08 | 1.51E-04 |
| GI TRACT S WALL | G | 1.15E-05 | 2.87E-04 | 8.04E-06 | 8.04E-06 | 1.38E-05 | 1.16E-05 | 8.08E-06 | 1.54E-04 | 4.61E-07 | 6.41E-07 | 2.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 1.15E-05 | 2.87E-04 | 8.04E-06 | 8.04E-06 | 1.38E-05 | 1.16E-05 | 8.08E-06 | 1.54E-04 | 4.61E-07 | 6.41E-07 | 1.50E-04 |
| SI+CONT | G | 1.92E-04 | 2.63E-05 | 1.08E-05 | 1.08E-05 | 3.81E-05 | 1.56E-05 | 6.59E-06 | 2.04E-05 | 5.08E-06 | 1.36E-07 | 3.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 1.92E-04 | 2.63E-05 | 1.08E-05 | 1.08E-05 | 3.81E-05 | 1.56E-05 | 6.59E-06 | 2.04E-05 | 5.08E-06 | 1.36E-07 | 1.55E-04 |
| ULI WALL | G | 1.77E-04 | 3.12E-05 | 1.01E-05 | 1.01E-05 | 3.10E-05 | 1.35E-05 | 6.85E-06 | 2.06E-05 | 4.41E-06 | 1.54E-07 | 2.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 1.77E-04 | 3.12E-05 | 1.01E-05 | 1.01E-05 | 3.10E-05 | 1.35E-05 | 6.85E-06 | 2.06E-05 | 4.41E-06 | 1.54E-07 | 1.54E-04 |
| LLI WALL | G | 2.35E-04 | 8.09E-06 | 1.54E-05 | 1.54E-05 | 4.40E-05 | 1.36E-05 | 6.97E-06 | 8.75E-06 | 4.03E-05 | 6.30E-08 | 2.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 2.35E-04 | 8.09E-06 | 1.54E-05 | 1.54E-05 | 4.40E-05 | 1.36E-05 | 6.97E-06 | 8.75E-06 | 4.03E-05 | 6.30E-08 | 1.51E-04 |
| KIDNEYS | G | 1.32E-05 | 9.93E-05 | 1.22E-05 | 1.22E-05 | 3.23E-05 | 1.57E-05 | 8.83E-06 | 1.43E-04 | 5.75E-07 | 4.74E-07 | 2.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 1.32E-05 | 9.93E-05 | 1.22E-05 | 1.22E-05 | 3.23E-05 | 1.57E-05 | 8.83E-06 | 1.43E-04 | 5.75E-07 | 4.74E-07 | 1.50E-04 |
| LIVER | G | 7.67E-06 | 6.66E-05 | 9.63E-06 | 9.63E-06 | 1.34E-05 | 1.46E-05 | 7.96E-06 | 1.41E-05 | 4.41E-07 | 1.34E-06 | 2.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 7.67E-06 | 6.66E-05 | 9.63E-06 | 9.63E-06 | 1.34E-05 | 1.46E-05 | 7.96E-06 | 1.41E-05 | 4.41E-07 | 1.34E-06 | 1.50E-04 |
| LUNGS | G | 8.43E-07 | 3.83E-05 | 1.42E-05 | 1.42E-05 | 1.73E-05 | 1.45E-05 | 8.92E-06 | 3.49E-05 | 9.72E-08 | 1.36E-05 | 2.26E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 8.43E-07 | 3.83E-05 | 1.42E-05 | 1.42E-05 | 1.73E-05 | 1.45E-05 | 8.92E-06 | 3.49E-05 | 9.72E-08 | 1.36E-05 | 1.47E-04 |
| RESP LYM NODE | G | 8.43E-07 | 3.83E-05 | 1.42E-05 | 1.42E-05 | 1.73E-05 | 1.45E-05 | 8.92E-06 | 3.49E-05 | 9.72E-08 | 1.36E-05 | 2.26E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 8.43E-07 | 3.83E-05 | 1.42E-05 | 1.42E-05 | 1.73E-05 | 1.45E-05 | 8.92E-06 | 3.49E-05 | 9.72E-08 | 1.36E-05 | 1.47E-04 |
| MUSCLE* | G | 3.03E-05 | 2.77E-05 | 1.45E-05 | 1.45E-05 | 1.77E-05 | 1.30E-05 | 1.12E-05 | 2.22E-05 | 1.71E-05 | 2.04E-05 | 2.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 3.03E-05 | 2.77E-05 | 1.45E-05 | 1.45E-05 | 1.77E-05 | 1.30E-05 | 1.12E-05 | 2.22E-05 | 1.71E-05 | 2.04E-05 | 1.45E-04 |
| OVARIES | G | 1.22E-02 | 5.66E-06 | 1.08E-05 | 1.08E-05 | 4.59E-05 | 2.20E-05 | 5.72E-06 | 5.81E-06 | 1.57E-46 | 7.16E-08 | 2.83E-05 |
| | B | 7.92E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 8.04E-01 | 5.66E-06 | 1.08E-05 | 1.08E-05 | 4.59E-05 | 2.20E-05 | 5.72E-06 | 5.81E-06 | 1.57E-46 | 7.16E-08 | 1.53E-04 |

58-CERIUM-141 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 7.01E-06 | 3.33E-03 | 1.26E-05 | 1.26E-05 | 2.43E-05 | 1.65E-05 | 6.54E-06 | 3.07E-04 | 7.85E-07 | 1.05E-06 | 2.98E-05 |
| | B | 0.0 | 8.71E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 7.01E-06 | 9.04E-02 | 1.26E-05 | 1.26E-05 | 2.43E-05 | 1.65E-05 | 6.54E-06 | 3.07E-04 | 7.85E-07 | 1.05E-06 | 1.54E-04 |
| SKELETON BONE | G | 2.36E-05 | 2.18E-05 | 7.67E-05 | 7.67E-05 | 5.04E-05 | 5.68E-05 | 1.60E-05 | 1.75E-05 | 1.32E-05 | 1.51E-05 | 3.23E-05 |
| | B | 0.0 | 0.0 | 1.74E-03 | 1.28E-03 | 3.08E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 2.36E-05 | 2.18E-05 | 1.82E-03 | 1.36E-03 | 3.59E-04 | 5.68E-05 | 1.60E-05 | 1.75E-05 | 1.32E-05 | 1.51E-05 | 1.57E-04 |
| R MARROW | G | 8.52E-05 | 4.18E-05 | 6.96E-05 | 6.96E-05 | 1.72E-04 | 5.87E-05 | 1.52E-05 | 2.56E-05 | 1.04E-05 | 1.64E-05 | 3.79E-05 |
| | B | 0.0 | 0.0 | 1.83E-05 | 1.54E-03 | 4.73E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 8.52E-05 | 4.18E-05 | 8.79E-05 | 1.61E-03 | 4.90E-03 | 5.87E-05 | 1.52E-05 | 2.56E-05 | 1.04E-05 | 1.64E-05 | 1.62E-04 |
| Y MARROW | G | 3.21E-05 | 2.51E-05 | 6.66E-05 | 6.66E-05 | 6.43E-05 | 1.01E-04 | 1.71E-05 | 2.64E-05 | 4.81E-06 | 7.74E-06 | 3.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.80E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 3.21E-05 | 2.51E-05 | 6.66E-05 | 6.66E-05 | 6.43E-05 | 5.91E-03 | 1.71E-05 | 2.64E-05 | 4.81E-06 | 7.74E-06 | 1.55E-04 |
| T E CL | G | 2.36E-05 | 2.18E-05 | 7.63E-05 | 7.63E-05 | 7.08E-05 | 6.43E-05 | 1.60E-05 | 1.75E-05 | 1.32E-05 | 1.51E-05 | 3.23E-05 |
| | B | 0.0 | 0.0 | 1.03E-03 | 2.01E-03 | 1.56E-03 | 1.45E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 2.36E-05 | 2.18E-05 | 1.10E-03 | 2.09E-03 | 1.63E-03 | 1.52E-03 | 1.60E-05 | 1.75E-05 | 1.32E-05 | 1.51E-05 | 1.57E-04 |
| SKIN | G | 5.95E-06 | 5.84E-06 | 9.77E-06 | 9.77E-06 | 8.83E-06 | 1.11E-05 | 2.84E-05 | 6.99E-06 | 2.20E-05 | 1.15E-05 | 1.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.35E-03 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 5.95E-06 | 5.84E-06 | 9.77E-06 | 9.77E-06 | 8.83E-06 | 1.11E-05 | 3.38E-03 | 6.99E-06 | 2.20E-05 | 1.15E-05 | 1.36E-04 |
| SPLEEN | G | 6.96E-06 | 3.13E-04 | 8.71E-06 | 8.71E-06 | 1.34E-05 | 1.54E-05 | 8.06E-06 | 2.06E-03 | 2.46E-07 | 1.48E-06 | 2.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.84E-02 | 0.0 | 0.0 | 1.24E-04 |
| | T | 6.96E-06 | 3.13E-04 | 8.71E-06 | 8.71E-06 | 1.34E-05 | 1.54E-05 | 8.06E-06 | 5.04E-02 | 2.46E-07 | 1.48E-06 | 1.51E-04 |
| TESTES | G | 1.57E-46 | 7.87E-07 | 9.21E-06 | 9.21E-06 | 6.25E-06 | 1.57E-05 | 1.48E-05 | 6.90E-07 | 5.56E-03 | 7.41E-09 | 1.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.49E-01 | 0.0 | 1.24E-04 |
| | T | 1.57E-46 | 7.87E-07 | 9.21E-06 | 9.21E-06 | 6.25E-06 | 1.57E-05 | 1.48E-05 | 6.90E-07 | 2.54E-01 | 7.41E-09 | 1.42E-04 |
| THYMUS | G | 3.75E-07 | 8.74E-06 | 7.46E-06 | 7.46E-06 | 1.25E-05 | 1.09E-05 | 9.10E-06 | 4.11E-06 | 3.71E-08 | 6.28E-05 | 2.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 3.75E-07 | 8.74E-06 | 7.46E-06 | 7.46E-06 | 1.25E-05 | 1.09E-05 | 9.10E-06 | 4.11E-06 | 3.71E-08 | 6.28E-05 | 1.52E-04 |
| THYROID | G | 7.17E-08 | 1.68E-06 | 1.17E-05 | 1.17E-05 | 9.80E-06 | 1.80E-05 | 1.09E-05 | 1.23E-06 | 7.42E-09 | 7.60E-03 | 1.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.35E-01 | 1.24E-04 |
| | T | 7.17E-08 | 1.68E-06 | 1.17E-05 | 1.17E-05 | 9.80E-06 | 1.80E-05 | 1.09E-05 | 1.23E-06 | 7.42E-09 | 4.43E-01 | 1.40E-04 |
| UTERUS | G | 3.28E-04 | 7.55E-06 | 8.34E-06 | 8.34E-06 | 3.19E-05 | 9.69E-06 | 5.84E-06 | 5.63E-06 | 1.57E-46 | 6.64E-08 | 3.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24E-04 |
| | T | 3.28E-04 | 7.55E-06 | 8.34E-06 | 8.34E-06 | 3.19E-05 | 9.69E-06 | 5.84E-06 | 5.63E-06 | 1.57E-46 | 6.64E-08 | 1.56E-04 |
| T BODY | G | 3.22E-05 | 3.15E-05 | 2.35E-05 | 2.35E-05 | 2.57E-05 | 2.05E-05 | 1.22E-05 | 2.66E-05 | 2.09E-05 | 1.98E-05 | 2.23E-05 |
| | B | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.24E-04 |
| | T | 1.57E-04 | 1.56E-04 | 1.48E-04 | 1.48E-04 | 1.50E-04 | 1.45E-04 | 1.37E-04 | 1.51E-04 | 1.45E-04 | 1.44E-04 | 1.47E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-MARTIN, M. J. AND BLICHERT-TOFT, P. H., NUCLEAR DATA TABLES A8, 115 (1970)
DATE DECAY DATA REVIEWED-MARCH 1971

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 58-CERIUM-143 (TR=3.370E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.02E-02 | 1.11E-05 | 1.21E-04 | 6.96E-05 | 5.34E-05 | 2.44E-05 | 6.74E-04 | 2.78E-04 | 1.33E-04 | 1.33E-04 | 8.68E-05 |
| | B | 1.53E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.56E 00 | 1.11E-05 | 1.21E-04 | 6.96E-05 | 5.34E-05 | 2.44E-05 | 6.74E-04 | 2.78E-04 | 1.33E-04 | 1.33E-04 | 8.68E-05 |
| BLAD WALL | G | 7.14E-06 | 4.56E-03 | 1.89E-05 | 1.52E-04 | 1.09E-04 | 3.32E-04 | 1.87E-05 | 1.21E-05 | 3.44E-06 | 3.44E-06 | 1.01E-04 |
| | B | 0.0 | 5.37E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.14E-06 | 5.82E-02 | 1.89E-05 | 1.52E-04 | 1.09E-04 | 3.32E-04 | 1.87E-05 | 1.21E-05 | 3.44E-06 | 3.44E-06 | 1.01E-04 |
| GI TRACT S WALL | G | 1.57E-04 | 1.77E-05 | 3.25E-03 | 1.96E-04 | 2.10E-04 | 9.50E-05 | 1.81E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 7.97E-05 |
| | B | 0.0 | 0.0 | 4.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.57E-04 | 1.77E-05 | 4.62E-02 | 1.96E-04 | 2.10E-04 | 9.50E-05 | 1.81E-04 | 1.04E-04 | 1.04E-04 | 1.04E-04 | 7.97E-05 |
| SI+CONT | G | 4.69E-05 | 1.47E-04 | 1.41E-04 | 1.91E-03 | 9.82E-04 | 5.40E-04 | 1.51E-04 | 8.64E-05 | 1.30E-05 | 1.30E-05 | 8.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 2.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.69E-05 | 1.47E-04 | 1.41E-04 | 2.88E-02 | 9.82E-04 | 5.40E-04 | 1.51E-04 | 8.64E-05 | 1.30E-05 | 1.30E-05 | 8.66E-05 |
| ULI WALL | G | 5.23E-05 | 1.20E-04 | 1.89E-04 | 1.43E-03 | 2.68E-03 | 2.42E-04 | 1.54E-04 | 1.37E-04 | 1.69E-05 | 1.69E-05 | 9.13E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.88E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.23E-05 | 1.20E-04 | 1.89E-04 | 1.43E-03 | 5.15E-02 | 2.42E-04 | 1.54E-04 | 1.37E-04 | 1.69E-05 | 1.69E-05 | 9.13E-05 |
| LLI WALL | G | 1.44E-05 | 3.96E-04 | 6.88E-05 | 4.15E-04 | 1.74E-04 | 3.21E-03 | 4.45E-05 | 1.41E-05 | 4.76E-06 | 4.76E-06 | 9.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.95E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.44E-05 | 3.96E-04 | 6.88E-05 | 4.15E-04 | 1.74E-04 | 8.27E-02 | 4.45E-05 | 1.41E-05 | 4.76E-06 | 4.76E-06 | 9.47E-05 |
| KIDNEYS | G | 6.73E-04 | 1.71E-05 | 1.83E-04 | 1.67E-04 | 1.49E-04 | 4.69E-05 | 4.60E-03 | 2.10E-04 | 5.08E-05 | 5.08E-05 | 8.10E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.93E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.73E-04 | 1.71E-05 | 1.83E-04 | 1.67E-04 | 1.49E-04 | 4.69E-05 | 7.39E-02 | 2.10E-04 | 5.08E-05 | 5.08E-05 | 8.10E-05 |
| LIVER | G | 2.76E-04 | 1.31E-05 | 1.07E-04 | 9.91E-05 | 1.38E-04 | 1.67E-05 | 2.16E-04 | 1.58E-03 | 1.38E-04 | 1.38E-04 | 6.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.19E-02 | 0.0 | 0.0 | 0.0 |
| | T | 2.76E-04 | 1.31E-05 | 1.07E-04 | 9.91E-05 | 1.38E-04 | 1.67E-05 | 2.16E-04 | 1.35E-02 | 1.38E-04 | 1.38E-04 | 6.20E-05 |
| LUNGS | G | 1.34E-04 | 2.33E-06 | 9.95E-05 | 1.55E-05 | 1.68E-05 | 5.45E-06 | 4.83E-05 | 1.42E-04 | 9.63E-04 | 9.63E-04 | 7.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.15E-02 | 2.15E-02 | 0.0 |
| | T | 1.34E-04 | 2.33E-06 | 9.95E-05 | 1.55E-05 | 1.68E-05 | 5.45E-06 | 4.83E-05 | 1.42E-04 | 2.24E-02 | 2.24E-02 | 7.73E-05 |
| RESP LYM NODE | G | 1.34E-04 | 2.33E-06 | 9.95E-05 | 1.55E-05 | 1.68E-05 | 5.45E-06 | 4.83E-05 | 1.42E-04 | 9.48E-04 | 9.63E-04 | 7.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08E-02 | 1.43E 00 | 0.0 |
| | T | 1.34E-04 | 2.33E-06 | 9.95E-05 | 1.55E-05 | 1.68E-05 | 5.45E-06 | 4.83E-05 | 1.42E-04 | 2.17E-02 | 1.43E 00 | 7.73E-05 |
| MUSCLE* | G | 8.68E-05 | 1.01E-04 | 7.97E-05 | 8.66E-05 | 8.27E-05 | 9.47E-05 | 8.10E-05 | 6.20E-05 | 7.73E-05 | 7.73E-05 | 8.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.67E-04 |
| | T | 8.68E-05 | 1.01E-04 | 7.97E-05 | 8.66E-05 | 8.27E-05 | 9.47E-05 | 8.10E-05 | 6.20E-05 | 7.73E-05 | 7.73E-05 | 8.54E-04 |
| OVARIES | G | 2.82E-05 | 3.61E-04 | 3.49E-05 | 5.70E-04 | 6.43E-04 | 1.07E-03 | 6.61E-05 | 2.20E-05 | 7.34E-06 | 7.34E-06 | 1.13E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.82E-05 | 3.61E-04 | 3.49E-05 | 5.70E-04 | 6.43E-04 | 1.07E-03 | 6.61E-05 | 2.20E-05 | 7.34E-06 | 7.34E-06 | 1.13E-04 |

58-CERIUM-143 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 4.79E-04 | 1.43E-05 | 1.04E-03 | 1.08E-04 | 1.11E-04 | 3.74E-05 | 3.62E-04 | 2.39E-04 | 1.42E-04 | 1.42E-04 | 1.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.79E-04 | 1.43E-05 | 1.04E-03 | 1.08E-04 | 1.11E-04 | 3.74E-05 | 3.62E-04 | 2.39E-04 | 1.42E-04 | 1.42E-04 | 1.03E-04 |
| SKELETON BONE | G | 9.30E-05 | 3.56E-05 | 3.79E-05 | 5.21E-05 | 4.71E-05 | 7.39E-05 | 6.39E-05 | 4.86E-05 | 6.78E-05 | 6.78E-05 | 5.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.30E-05 | 3.56E-05 | 3.79E-05 | 5.21E-05 | 4.71E-05 | 7.39E-05 | 6.39E-05 | 4.86E-05 | 6.78E-05 | 6.78E-05 | 5.85E-05 |
| R MARROW | G | 1.64E-04 | 8.09E-05 | 6.44E-05 | 1.73E-04 | 1.49E-04 | 2.37E-04 | 1.65E-04 | 6.72E-05 | 8.48E-05 | 8.48E-05 | 9.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.64E-04 | 8.09E-05 | 6.44E-05 | 1.73E-04 | 1.49E-04 | 2.37E-04 | 1.65E-04 | 6.72E-05 | 8.48E-05 | 8.48E-05 | 9.34E-05 |
| Y MARROW | G | 8.90E-05 | 3.34E-05 | 5.30E-05 | 7.25E-05 | 6.73E-05 | 9.31E-05 | 7.87E-05 | 7.28E-05 | 7.21E-05 | 7.21E-05 | 7.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.90E-05 | 3.34E-05 | 5.30E-05 | 7.25E-05 | 6.73E-05 | 9.31E-05 | 7.87E-05 | 7.28E-05 | 7.21E-05 | 7.21E-05 | 7.46E-05 |
| T E CL | G | 9.30E-05 | 3.56E-05 | 3.79E-05 | 5.21E-05 | 4.71E-05 | 7.39E-05 | 6.39E-05 | 4.86E-05 | 6.78E-05 | 6.78E-05 | 5.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.30E-05 | 3.56E-05 | 3.79E-05 | 5.21E-05 | 4.71E-05 | 7.39E-05 | 6.39E-05 | 4.86E-05 | 6.78E-05 | 6.78E-05 | 5.85E-05 |
| SKIN | G | 3.54E-05 | 3.38E-05 | 2.97E-05 | 2.69E-05 | 2.75E-05 | 3.04E-05 | 3.46E-05 | 3.11E-05 | 3.49E-05 | 3.49E-05 | 4.92E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.54E-05 | 3.38E-05 | 2.97E-05 | 2.69E-05 | 2.75E-05 | 3.04E-05 | 3.46E-05 | 3.11E-05 | 3.49E-05 | 3.49E-05 | 4.92E-05 |
| SPLEEN | G | 3.65E-04 | 1.03E-05 | 5.54E-04 | 8.23E-05 | 7.06E-05 | 4.71E-05 | 5.02E-04 | 5.21E-05 | 1.26E-04 | 1.26E-04 | 8.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.65E-04 | 1.03E-05 | 5.54E-04 | 8.23E-05 | 7.06E-05 | 4.71E-05 | 5.02E-04 | 5.21E-05 | 1.26E-04 | 1.26E-04 | 8.42E-05 |
| TESTES | G | 3.24E-06 | 2.66E-04 | 3.49E-06 | 1.99E-05 | 2.27E-05 | 1.05E-04 | 7.08E-06 | 6.53E-06 | 1.11E-06 | 1.11E-06 | 6.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.24E-06 | 2.66E-04 | 3.49E-06 | 1.99E-05 | 2.27E-05 | 1.05E-04 | 7.08E-06 | 6.53E-06 | 1.11E-06 | 1.11E-06 | 6.77E-05 |
| THYMUS | G | 3.37E-05 | 1.44E-06 | 1.89E-05 | 6.56E-06 | 7.20E-06 | 2.68E-06 | 1.32E-05 | 4.85E-05 | 2.19E-04 | 2.19E-04 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.37E-05 | 1.44E-06 | 1.89E-05 | 6.56E-06 | 7.20E-06 | 2.68E-06 | 1.32E-05 | 4.85E-05 | 2.19E-04 | 2.19E-04 | 1.21E-04 |
| THYROID | G | 9.42E-06 | 4.34E-07 | 7.20E-06 | 1.81E-06 | 1.94E-06 | 8.19E-07 | 4.39E-06 | 1.02E-05 | 5.64E-05 | 5.64E-05 | 8.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.42E-05 | 4.34E-07 | 7.20E-06 | 1.81E-06 | 1.94E-06 | 8.19E-07 | 4.39E-06 | 1.02E-05 | 5.64E-05 | 5.64E-05 | 8.00E-05 |
| UTERUS | G | 5.89E-05 | 8.89E-04 | 4.48E-05 | 5.16E-04 | 2.56E-04 | 3.44E-04 | 4.77E-05 | 2.11E-05 | 5.20E-06 | 5.20E-06 | 1.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.89E-05 | 8.89E-04 | 4.48E-05 | 5.16E-04 | 2.56E-04 | 3.44E-04 | 4.77E-05 | 2.11E-05 | 5.20E-06 | 5.20E-06 | 1.28E-04 |
| T BODY | G | 9.83E-05 | 1.08E-04 | 1.03E-04 | 1.14E-04 | 1.11E-04 | 1.11E-04 | 9.84E-05 | 9.96E-05 | 8.68E-05 | 8.68E-05 | 8.18E-05 |
| | B | 3.07E-04 | 3.45E-05 | 9.20E-05 | 2.45E-04 | 1.46E-04 | 1.82E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 |
| | T | 4.05E-04 | 1.43E-04 | 1.96E-04 | 3.60E-04 | 2.58E-04 | 2.93E-04 | 4.05E-04 | 4.06E-04 | 3.94E-04 | 3.94E-04 | 3.89E-04 |

CONTINUED NEXT PAGE

58-CERIUM-143 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.56E-05 | 4.57E-04 | 8.34E-05 | 8.34E-05 | 1.27E-04 | 5.99E-05 | 4.11E-05 | 3.65E-04 | 3.24E-06 | 9.41E-06 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 2.56E-05 | 4.57E-04 | 8.34E-05 | 8.34E-05 | 1.27E-04 | 5.99E-05 | 4.11E-05 | 3.65E-04 | 3.24E-06 | 9.41E-06 | 4.18E-04 |
| BLAD WALL | G | 3.82E-04 | 8.42E-06 | 2.80E-05 | 2.80E-05 | 4.33E-05 | 1.68E-05 | 3.36E-05 | 9.84E-06 | 2.77E-04 | 4.37E-07 | 1.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 3.82E-04 | 8.42E-06 | 2.80E-05 | 2.80E-05 | 4.33E-05 | 1.68E-05 | 3.36E-05 | 9.84E-06 | 2.77E-04 | 4.37E-07 | 4.13E-04 |
| GI TRACT S WALL | G | 4.18E-05 | 1.05E-03 | 3.03E-05 | 3.03E-05 | 5.65E-05 | 4.02E-05 | 3.37E-05 | 5.48E-04 | 4.19E-06 | 4.93E-06 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 4.18E-05 | 1.05E-03 | 3.03E-05 | 3.03E-05 | 5.65E-05 | 4.02E-05 | 3.37E-05 | 5.48E-04 | 4.19E-06 | 4.93E-06 | 4.10E-04 |
| SI+CONT | G | 6.93E-04 | 9.49E-05 | 4.27E-05 | 4.27E-05 | 1.42E-04 | 5.65E-05 | 2.83E-05 | 7.37E-05 | 2.49E-05 | 8.66E-07 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 6.93E-04 | 9.49E-05 | 4.27E-05 | 4.27E-05 | 1.42E-04 | 5.65E-05 | 2.83E-05 | 7.37E-05 | 2.49E-05 | 8.66E-07 | 4.21E-04 |
| ULI WALL | G | 6.61E-04 | 1.16E-04 | 3.91E-05 | 3.91E-05 | 1.11E-04 | 4.81E-05 | 2.96E-05 | 7.12E-05 | 1.83E-05 | 8.85E-07 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 6.61E-04 | 1.16E-04 | 3.91E-05 | 3.91E-05 | 1.11E-04 | 4.81E-05 | 2.96E-05 | 7.12E-05 | 1.83E-05 | 8.85E-07 | 4.16E-04 |
| LLI WALL | G | 8.57E-04 | 2.89E-05 | 5.57E-05 | 5.57E-05 | 1.66E-04 | 4.72E-05 | 3.03E-05 | 3.43E-05 | 1.47E-04 | 6.88E-07 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 8.57E-04 | 2.89E-05 | 5.57E-05 | 5.57E-05 | 1.66E-04 | 4.72E-05 | 3.03E-05 | 3.43E-05 | 1.47E-04 | 6.88E-07 | 4.15E-04 |
| KIDNEYS | G | 5.48E-05 | 3.48E-04 | 5.15E-05 | 5.15E-05 | 1.24E-04 | 6.18E-05 | 3.94E-05 | 5.05E-04 | 4.70E-06 | 2.99E-06 | 1.00E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 5.48E-05 | 3.48E-04 | 5.15E-05 | 5.15E-05 | 1.24E-04 | 6.18E-05 | 3.94E-05 | 5.05E-04 | 4.70E-06 | 2.99E-06 | 4.07E-04 |
| LIVER | G | 3.13E-05 | 2.33E-04 | 3.73E-05 | 3.73E-05 | 5.27E-05 | 5.70E-05 | 3.43E-05 | 5.45E-05 | 2.93E-06 | 7.61E-06 | 9.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 3.13E-05 | 2.33E-04 | 3.73E-05 | 3.73E-05 | 5.27E-05 | 5.70E-05 | 3.43E-05 | 5.45E-05 | 2.93E-06 | 7.61E-06 | 4.07E-04 |
| LUNGS | G | 5.33E-06 | 1.34E-04 | 5.40E-05 | 5.40E-05 | 6.57E-05 | 5.55E-05 | 3.70E-05 | 1.25E-04 | 8.28E-07 | 5.48E-05 | 8.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 5.33E-06 | 1.34E-04 | 5.40E-05 | 5.40E-05 | 6.57E-05 | 5.55E-05 | 3.70E-05 | 1.25E-04 | 8.28E-07 | 5.48E-05 | 3.94E-04 |
| RESP LYM NODE | G | 5.33E-06 | 1.34E-04 | 5.40E-05 | 5.40E-05 | 6.57E-05 | 5.55E-05 | 3.70E-05 | 1.25E-04 | 8.28E-07 | 5.48E-05 | 8.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 5.33E-06 | 1.34E-04 | 5.40E-05 | 5.40E-05 | 6.57E-05 | 5.55E-05 | 3.70E-05 | 1.25E-04 | 8.28E-07 | 5.48E-05 | 3.94E-04 |
| MUSCLE* | G | 1.13E-04 | 1.03E-04 | 5.85E-05 | 5.85E-05 | 6.96E-05 | 5.40E-05 | 4.92E-05 | 8.42E-05 | 6.77E-05 | 8.00E-05 | 8.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 1.13E-04 | 1.03E-04 | 5.85E-05 | 5.85E-05 | 6.96E-05 | 5.40E-05 | 4.92E-05 | 8.42E-05 | 6.77E-05 | 8.00E-05 | 3.89E-04 |
| OVARIES | G | 5.04E-02 | 2.49E-05 | 4.99E-05 | 4.99E-05 | 1.57E-04 | 5.74E-05 | 2.36E-05 | 3.89E-05 | 5.83E-46 | 8.14E-07 | 9.76E-05 |
| | B | 1.95E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 2.00E 00 | 2.49E-05 | 4.99E-05 | 4.99E-05 | 1.57E-04 | 5.74E-05 | 2.36E-05 | 3.89E-05 | 5.83E-46 | 8.14E-07 | 4.04E-04 |

58-CERIUM-143 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.07E-05 | 1.36E-02 | 5.23E-05 | 5.23E-05 | 8.32E-05 | 6.54E-05 | 2.96E-05 | 1.15E-03 | 3.32E-06 | 4.22E-06 | 1.09E-04 |
| | B | 0.0 | 2.15E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 3.07E-05 | 2.28E-01 | 5.23E-05 | 5.23E-05 | 8.32E-05 | 6.54E-05 | 2.96E-05 | 1.15E-03 | 3.32E-06 | 4.22E-06 | 4.16E-04 |
| SKELETON BONE | G | 6.37E-05 | 5.91E-05 | 2.56E-04 | 2.56E-04 | 1.68E-04 | 1.92E-04 | 5.40E-05 | 5.06E-05 | 3.84E-05 | 4.51E-05 | 1.02E-04 |
| | B | 0.0 | 0.0 | 4.29E-03 | 2.70E-03 | 1.06E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 6.37E-05 | 5.91E-05 | 4.55E-03 | 2.96E-03 | 1.23E-03 | 1.92E-04 | 5.40E-05 | 5.06E-05 | 3.84E-05 | 4.51E-05 | 4.09E-04 |
| R MARROW | G | 2.23E-04 | 1.12E-04 | 2.31E-04 | 2.31E-04 | 5.74E-04 | 1.96E-04 | 5.04E-05 | 7.28E-05 | 3.05E-05 | 4.88E-05 | 1.15E-04 |
| | B | 0.0 | 0.0 | 1.50E-04 | 5.30E-03 | 1.04E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 2.23E-04 | 1.12E-04 | 3.81E-04 | 5.53E-03 | 1.10E-02 | 1.96E-04 | 5.04E-05 | 7.28E-05 | 3.05E-05 | 4.88E-05 | 4.22E-04 |
| Y MARROW | G | 8.59E-05 | 6.86E-05 | 2.25E-04 | 2.25E-04 | 2.14E-04 | 3.46E-04 | 5.85E-05 | 7.59E-05 | 1.55E-05 | 2.37E-05 | 9.70E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.43E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 8.59E-05 | 6.86E-05 | 2.25E-04 | 2.25E-04 | 2.14E-04 | 1.47E-02 | 5.85E-05 | 7.59E-05 | 1.55E-05 | 2.37E-05 | 4.04E-04 |
| T E CL | G | 6.37E-05 | 5.91E-05 | 2.54E-04 | 2.54E-04 | 2.36E-04 | 2.18E-04 | 5.40E-05 | 5.06E-05 | 3.84E-05 | 4.51E-05 | 1.02E-04 |
| | B | 0.0 | 0.0 | 2.67E-03 | 4.52E-03 | 4.15E-03 | 3.58E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 6.37E-05 | 5.91E-05 | 2.92E-03 | 4.77E-03 | 4.38E-03 | 3.80E-03 | 5.40E-05 | 5.06E-05 | 3.84E-05 | 4.51E-05 | 4.09E-04 |
| SKIN | G | 2.64E-05 | 2.57E-05 | 4.37E-05 | 4.37E-05 | 3.86E-05 | 4.92E-05 | 1.25E-04 | 3.15E-05 | 9.10E-05 | 4.86E-05 | 4.95E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.26E-03 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 2.64E-05 | 2.57E-05 | 4.37E-05 | 4.37E-05 | 3.86E-05 | 4.92E-05 | 8.38E-03 | 3.15E-05 | 9.10E-05 | 4.86E-05 | 3.56E-04 |
| SPLEEN | G | 3.17E-05 | 1.14E-03 | 4.17E-05 | 4.17E-05 | 4.81E-05 | 5.62E-05 | 3.52E-05 | 8.27E-03 | 3.75E-06 | 7.14E-06 | 1.03E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.19E-01 | 0.0 | 0.0 | 3.07E-04 |
| | T | 3.17E-05 | 1.14E-03 | 4.17E-05 | 4.17E-05 | 4.81E-05 | 5.62E-05 | 3.52E-05 | 1.28E-01 | 3.75E-06 | 7.14E-06 | 4.09E-04 |
| TESTES | G | 5.83E-46 | 4.03E-06 | 3.21E-05 | 3.21E-05 | 1.98E-05 | 5.32E-05 | 5.70E-05 | 4.43E-06 | 2.30E-02 | 1.61E-07 | 8.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.13E-01 | 0.0 | 3.07E-04 |
| | T | 5.83E-46 | 4.03E-06 | 3.21E-05 | 3.21E-05 | 1.98E-05 | 5.32E-05 | 5.70E-05 | 4.43E-06 | 6.37E-01 | 1.61E-07 | 3.94E-04 |
| THYMUS | G | 2.79E-06 | 3.37E-05 | 3.46E-05 | 3.46E-05 | 3.32E-05 | 2.97E-05 | 4.09E-05 | 2.41E-05 | 5.04E-07 | 2.32E-04 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 2.79E-06 | 3.37E-05 | 3.46E-05 | 3.46E-05 | 3.32E-05 | 2.97E-05 | 4.09E-05 | 2.41E-05 | 5.04E-07 | 2.32E-04 | 4.11E-04 |
| THYROID | G | 8.14E-07 | 7.19E-06 | 4.90E-05 | 4.90E-05 | 4.39E-05 | 4.26E-05 | 4.51E-05 | 6.97E-06 | 1.61E-07 | 3.14E-02 | 8.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E 00 | 3.07E-04 |
| | T | 8.14E-07 | 7.19E-06 | 4.90E-05 | 4.90E-05 | 4.39E-05 | 4.26E-05 | 4.51E-05 | 6.97E-06 | 1.61E-07 | 1.11E 00 | 3.87E-04 |
| UTERUS | G | 1.12E-03 | 3.20E-05 | 3.50E-05 | 3.50E-05 | 1.07E-04 | 3.50E-05 | 2.84E-05 | 2.38E-05 | 5.83E-46 | 7.72E-07 | 1.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.07E-04 |
| | T | 1.12E-03 | 3.20E-05 | 3.50E-05 | 3.50E-05 | 1.07E-04 | 3.50E-05 | 2.84E-05 | 2.38E-05 | 5.83E-46 | 7.72E-07 | 4.23E-04 |
| T BODY | G | 1.17E-04 | 1.14E-04 | 8.65E-05 | 8.65E-05 | 9.47E-05 | 7.72E-05 | 5.10E-05 | 9.92E-05 | 8.15E-05 | 7.64E-05 | 8.46E-05 |
| | B | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 | 3.07E-04 |
| | T | 4.23E-04 | 4.21E-04 | 3.93E-04 | 3.93E-04 | 4.01E-04 | 3.84E-04 | 3.58E-04 | 4.06E-04 | 3.88E-04 | 3.83E-04 | 3.91E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA, VOL. 2, NO. 1, ACADEMIC PRESS JULY (1967)
DATE DECAY DATA REVIEWED-AUGUST 1969

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 58-CERIUM-144 (TR=2.842E 02 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.40E-03 | 4.53E-07 | 9.73E-06 | 3.15E-06 | 3.15E-06 | 1.08E-06 | 4.92E-05 | 1.81E-05 | 9.82E-06 | 9.82E-06 | 6.00E-06 |
| | B | 3.35E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.37E-01 | 4.53E-07 | 9.73E-06 | 3.15E-06 | 3.15E-06 | 1.08E-06 | 4.92E-05 | 1.81E-05 | 9.82E-06 | 9.82E-06 | 6.00E-06 |
| BLAD WALL | G | 4.15E-07 | 3.54E-04 | 8.69E-07 | 9.31E-06 | 7.74E-06 | 2.68E-05 | 8.60E-07 | 4.84E-07 | 1.06E-07 | 1.06E-07 | 7.16E-06 |
| | B | 0.0 | 1.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.15E-07 | 1.21E-02 | 8.69E-07 | 9.31E-06 | 7.74E-06 | 2.68E-05 | 8.60E-07 | 4.84E-07 | 1.06E-07 | 1.06E-07 | 7.16E-06 |
| GI TRACT S WALL | G | 1.03E-05 | 8.53E-07 | 2.54E-04 | 1.42E-05 | 1.56E-05 | 6.57E-06 | 1.31E-05 | 6.75E-06 | 7.24E-06 | 7.24E-06 | 5.22E-06 |
| | B | 0.0 | 0.0 | 9.37E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-05 | 8.53E-07 | 9.63E-03 | 1.42E-05 | 1.56E-05 | 6.57E-06 | 1.31E-05 | 6.75E-06 | 7.24E-06 | 7.24E-06 | 5.22E-06 |
| SI+CONT | G | 2.68E-06 | 1.07E-05 | 9.92E-06 | 1.48E-04 | 7.58E-05 | 4.16E-05 | 1.05E-05 | 5.76E-06 | 5.91E-07 | 5.91E-07 | 6.05E-06 |
| | B | 0.0 | 0.0 | 0.0 | 5.86E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.68E-06 | 1.07E-05 | 9.92E-06 | 6.01E-03 | 7.58E-05 | 4.16E-05 | 1.05E-05 | 5.76E-06 | 5.91E-07 | 5.91E-07 | 6.05E-06 |
| ULI WALL | G | 3.08E-06 | 7.60E-06 | 1.41E-05 | 1.12E-04 | 2.07E-04 | 1.79E-05 | 1.03E-05 | 9.58E-06 | 7.09E-07 | 7.09E-07 | 6.33E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.08E-06 | 7.60E-06 | 1.41E-05 | 1.12E-04 | 1.09E-02 | 1.79E-05 | 1.03E-05 | 9.58E-06 | 7.09E-07 | 7.09E-07 | 6.33E-06 |
| LLI WALL | G | 6.82E-07 | 3.00E-05 | 4.15E-06 | 3.25E-05 | 1.30E-05 | 2.47E-04 | 2.32E-06 | 7.08E-07 | 2.03E-07 | 2.03E-07 | 6.61E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.74E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.82E-07 | 3.00E-05 | 4.15E-06 | 3.25E-05 | 1.30E-05 | 1.76E-02 | 2.32E-06 | 7.08E-07 | 2.03E-07 | 2.03E-07 | 6.61E-06 |
| KIDNEYS | G | 4.90E-05 | 8.16E-07 | 1.28E-05 | 1.16E-05 | 1.03E-05 | 2.85E-06 | 3.57E-04 | 1.54E-05 | 2.91E-06 | 2.91E-06 | 5.58E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.90E-05 | 8.16E-07 | 1.28E-05 | 1.16E-05 | 1.03E-05 | 2.85E-06 | 1.55E-02 | 1.54E-05 | 2.91E-06 | 2.91E-06 | 5.58E-06 |
| LIVER | G | 2.00E-05 | 5.11E-07 | 7.22E-06 | 6.67E-06 | 9.56E-06 | 7.71E-07 | 1.51E-05 | 1.22E-04 | 1.00E-05 | 1.00E-05 | 4.23E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.00E-05 | 5.11E-07 | 7.22E-06 | 6.67E-06 | 9.56E-06 | 7.71E-07 | 1.51E-05 | 2.73E-03 | 1.00E-05 | 1.00E-05 | 4.23E-06 |
| LUNGS | G | 9.52E-06 | 7.13E-08 | 6.94E-06 | 6.92E-07 | 8.35E-07 | 2.41E-07 | 2.96E-06 | 1.07E-05 | 7.90E-05 | 7.90E-05 | 5.54E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-03 | 4.69E-03 | 0.0 |
| | T | 9.52E-06 | 7.13E-08 | 6.94E-06 | 6.92E-07 | 8.35E-07 | 2.41E-07 | 2.96E-06 | 1.07E-05 | 4.77E-03 | 4.77E-03 | 5.54E-06 |
| RESP LYM NODE | G | 9.52E-06 | 7.13E-08 | 6.94E-06 | 6.92E-07 | 8.35E-07 | 2.41E-07 | 2.96E-06 | 1.07E-05 | 7.63E-05 | 7.90E-05 | 5.54E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.64E-03 | 3.12E-01 | 0.0 |
| | T | 9.52E-06 | 7.13E-08 | 6.94E-06 | 6.92E-07 | 8.35E-07 | 2.41E-07 | 2.96E-06 | 1.07E-05 | 4.72E-03 | 3.13E-01 | 5.54E-06 |
| MUSCLE* | G | 6.00E-06 | 7.16E-06 | 5.63E-06 | 6.05E-06 | 5.80E-06 | 6.61E-06 | 5.58E-06 | 4.23E-06 | 5.54E-06 | 5.54E-06 | 6.02E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.67E-04 |
| | T | 6.00E-06 | 7.16E-06 | 5.63E-06 | 6.05E-06 | 5.80E-06 | 6.61E-06 | 5.58E-06 | 4.23E-06 | 5.54E-06 | 5.54E-06 | 1.73E-04 |
| OVARIES | G | 1.90E-06 | 2.82E-05 | 1.76E-06 | 4.49E-05 | 4.79E-05 | 8.10E-05 | 3.68E-06 | 1.46E-06 | 2.90E-07 | 2.90E-07 | 8.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.90E-06 | 2.82E-05 | 1.76E-06 | 4.49E-05 | 4.79E-05 | 8.10E-05 | 3.68E-06 | 1.46E-06 | 2.90E-07 | 2.90E-07 | 8.10E-06 |

58-CERIUM-144 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 3.59E-05 | 6.84E-07 | 7.98E-05 | 7.12E-06 | 7.98E-06 | 2.45E-06 | 2.53E-05 | 1.67E-05 | 9.93E-06 | 9.93E-06 | 7.48E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.59E-05 | 6.84E-07 | 7.98E-05 | 7.12E-06 | 7.98E-06 | 2.45E-06 | 2.53E-05 | 1.67E-05 | 9.93E-06 | 9.93E-06 | 7.48E-06 |
| SKELETON BONE | G | 9.17E-06 | 3.35E-06 | 3.62E-06 | 5.21E-06 | 4.71E-06 | 7.66E-06 | 6.22E-06 | 4.78E-06 | 6.78E-06 | 6.78E-06 | 3.57E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.17E-06 | 3.35E-06 | 3.62E-06 | 5.21E-06 | 4.71E-06 | 7.66E-06 | 6.22E-06 | 4.78E-06 | 6.78E-06 | 6.78E-06 | 3.57E-06 |
| R MARROW | G | 1.61E-05 | 8.38E-06 | 6.12E-06 | 1.82E-05 | 1.59E-05 | 2.58E-05 | 1.64E-05 | 6.44E-06 | 8.45E-06 | 8.45E-06 | 9.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.61E-05 | 8.38E-06 | 6.12E-06 | 1.82E-05 | 1.59E-05 | 2.58E-05 | 1.64E-05 | 6.44E-06 | 8.45E-06 | 8.45E-06 | 9.31E-06 |
| Y MARROW | G | 8.65E-06 | 3.25E-06 | 5.11E-06 | 7.32E-06 | 6.79E-06 | 9.79E-06 | 7.57E-06 | 7.25E-06 | 7.20E-06 | 7.20E-06 | 7.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.65E-06 | 3.25E-06 | 5.11E-06 | 7.32E-06 | 6.79E-06 | 9.79E-06 | 7.57E-06 | 7.25E-06 | 7.20E-06 | 7.20E-06 | 7.10E-06 |
| T E CL | G | 9.17E-06 | 3.35E-06 | 3.62E-06 | 5.21E-06 | 4.71E-06 | 7.66E-06 | 6.22E-06 | 4.78E-06 | 6.78E-06 | 6.78E-06 | 3.57E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.17E-06 | 3.35E-06 | 3.62E-06 | 5.21E-06 | 4.71E-06 | 7.66E-06 | 6.22E-06 | 4.78E-06 | 6.78E-06 | 6.78E-06 | 3.57E-06 |
| SKIN | G | 1.92E-06 | 2.02E-06 | 1.65E-06 | 1.43E-06 | 1.47E-06 | 1.72E-06 | 2.03E-06 | 1.79E-06 | 1.96E-06 | 1.96E-06 | 3.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.92E-06 | 2.02E-06 | 1.65E-06 | 1.43E-06 | 1.47E-06 | 1.72E-06 | 2.03E-06 | 1.79E-06 | 1.96E-06 | 1.96E-06 | 3.01E-06 |
| SPLEEN | G | 2.56E-05 | 2.20E-06 | 4.12E-05 | 5.30E-06 | 5.06E-06 | 2.75E-06 | 3.78E-05 | 3.08E-06 | 9.30E-06 | 9.30E-06 | 5.97E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.56E-05 | 2.20E-06 | 4.12E-05 | 5.30E-06 | 5.06E-06 | 2.75E-06 | 3.78E-05 | 3.08E-06 | 9.30E-06 | 9.30E-06 | 5.97E-06 |
| TESTES | G | 8.94E-08 | 1.82E-05 | 1.48E-07 | 9.47E-07 | 8.30E-07 | 6.41E-06 | 2.55E-07 | 1.79E-07 | 2.20E-08 | 2.20E-08 | 4.46E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.94E-08 | 1.82E-05 | 1.48E-07 | 9.47E-07 | 8.30E-07 | 6.41E-06 | 2.55E-07 | 1.79E-07 | 2.20E-08 | 2.20E-08 | 4.46E-06 |
| THYMUS | G | 1.33E-06 | 2.97E-08 | 9.36E-07 | 2.34E-07 | 2.98E-07 | 7.54E-08 | 6.30E-07 | 2.05E-06 | 1.70E-05 | 1.70E-05 | 8.36E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.33E-06 | 2.97E-08 | 9.36E-07 | 2.34E-07 | 2.98E-07 | 7.54E-08 | 6.30E-07 | 2.05E-06 | 1.70E-05 | 1.70E-05 | 8.36E-06 |
| THYROID | G | 3.67E-07 | 5.44E-09 | 2.50E-07 | 4.12E-08 | 4.56E-08 | 1.46E-08 | 1.36E-07 | 4.12E-07 | 3.08E-06 | 3.08E-06 | 5.71E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.67E-07 | 5.44E-09 | 2.50E-07 | 4.12E-08 | 4.56E-08 | 1.46E-08 | 1.36E-07 | 4.12E-07 | 3.08E-06 | 3.08E-06 | 5.71E-06 |
| UTERUS | G | 2.61E-06 | 6.85E-05 | 2.42E-06 | 4.01E-05 | 2.04E-05 | 2.70E-05 | 2.93E-06 | 1.24E-06 | 2.53E-07 | 2.53E-07 | 9.47E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.61E-06 | 6.85E-05 | 2.42E-06 | 4.01E-05 | 2.04E-05 | 2.70E-05 | 2.93E-06 | 1.24E-06 | 2.53E-07 | 2.53E-07 | 9.47E-06 |
| T BODY | G | 7.28E-06 | 8.00E-06 | 7.66E-06 | 8.53E-06 | 8.32E-06 | 8.36E-06 | 7.20E-06 | 7.38E-06 | 6.63E-06 | 6.63E-06 | 5.60E-06 |
| | B | 6.70E-05 | 7.53E-06 | 2.01E-05 | 5.36E-05 | 3.20E-05 | 3.97E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 |
| | T | 7.42E-05 | 1.55E-05 | 2.77E-05 | 6.21E-05 | 4.03E-05 | 4.80E-05 | 7.42E-05 | 7.43E-05 | 7.36E-05 | 7.36E-05 | 7.26E-05 |

CONTINUED NEXT PAGE

58-CERIUM-144 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.01E-06 | 3.64E-05 | 4.03E-06 | 4.03E-06 | 8.06E-06 | 4.03E-06 | 2.40E-06 | 2.55E-05 | 8.94E-08 | 3.67E-07 | 6.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 1.01E-06 | 3.64E-05 | 4.03E-06 | 4.03E-06 | 8.06E-06 | 4.03E-06 | 2.40E-06 | 2.55E-05 | 8.94E-08 | 3.67E-07 | 7.37E-05 |
| BLAD WALL | G | 2.82E-05 | 4.31E-07 | 1.71E-06 | 1.71E-06 | 3.53E-06 | 1.36E-06 | 1.82E-06 | 3.43E-07 | 1.86E-05 | 5.52E-09 | 7.21E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 2.82E-05 | 4.31E-07 | 1.71E-06 | 1.71E-06 | 3.53E-06 | 1.36E-06 | 1.82E-06 | 3.43E-07 | 1.86E-05 | 5.52E-09 | 7.42E-05 |
| GI TRACT S WALL | G | 2.69E-06 | 8.05E-05 | 1.91E-06 | 1.91E-06 | 3.19E-06 | 2.87E-06 | 2.05E-06 | 4.15E-05 | 9.33E-08 | 1.55E-07 | 6.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 2.69E-06 | 8.05E-05 | 1.91E-06 | 1.91E-06 | 3.19E-06 | 2.87E-06 | 2.05E-06 | 4.15E-05 | 9.33E-08 | 1.55E-07 | 7.39E-05 |
| SI+CONT | G | 5.34E-05 | 6.21E-06 | 2.64E-06 | 2.64E-06 | 9.41E-06 | 3.81E-06 | 1.58E-06 | 4.86E-06 | 1.11E-06 | 2.50E-08 | 8.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 5.34E-05 | 6.21E-06 | 2.64E-06 | 2.64E-06 | 9.41E-06 | 3.81E-06 | 1.58E-06 | 4.86E-06 | 1.11E-06 | 2.50E-08 | 7.52E-05 |
| ULI WALL | G | 4.97E-05 | 7.45E-06 | 2.41E-06 | 2.41E-06 | 7.68E-06 | 3.25E-06 | 1.70E-06 | 5.15E-06 | 9.58E-07 | 3.34E-08 | 8.02E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 4.97E-05 | 7.45E-06 | 2.41E-06 | 2.41E-06 | 7.68E-06 | 3.25E-06 | 1.70E-06 | 5.15E-06 | 9.58E-07 | 3.34E-08 | 7.50E-05 |
| LLI WALL | G | 6.72E-05 | 1.88E-06 | 3.83E-06 | 3.83E-06 | 1.14E-05 | 3.43E-06 | 1.67E-06 | 2.04E-06 | 1.01E-05 | 1.18E-08 | 7.50E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 6.72E-05 | 1.88E-06 | 3.83E-06 | 3.83E-06 | 1.14E-05 | 3.43E-06 | 1.67E-06 | 2.04E-06 | 1.01E-05 | 1.18E-08 | 7.45E-05 |
| KIDNEYS | G | 3.03E-06 | 2.57E-05 | 2.91E-06 | 2.91E-06 | 7.92E-06 | 3.81E-06 | 2.26E-06 | 3.95E-05 | 1.16E-07 | 1.00E-07 | 6.74E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 3.03E-06 | 2.57E-05 | 2.91E-06 | 2.91E-06 | 7.92E-06 | 3.81E-06 | 2.26E-06 | 3.95E-05 | 1.16E-07 | 1.00E-07 | 7.37E-05 |
| LIVER | G | 1.73E-06 | 1.71E-05 | 2.35E-06 | 2.35E-06 | 3.17E-06 | 3.64E-06 | 1.98E-06 | 3.25E-06 | 9.02E-08 | 2.85E-07 | 7.05E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 1.73E-06 | 1.71E-05 | 2.35E-06 | 2.35E-06 | 3.17E-06 | 3.64E-06 | 1.98E-06 | 3.25E-06 | 9.02E-08 | 2.85E-07 | 7.40E-05 |
| LUNGS | G | 1.80E-07 | 9.80E-06 | 3.56E-06 | 3.56E-06 | 4.30E-06 | 3.75E-06 | 2.27E-06 | 9.28E-06 | 1.74E-08 | 3.28E-06 | 6.40E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 1.80E-07 | 9.80E-06 | 3.56E-06 | 3.56E-06 | 4.30E-06 | 3.75E-06 | 2.27E-06 | 9.28E-06 | 1.74E-08 | 3.28E-06 | 7.34E-05 |
| RESP LYM NODE | G | 1.80E-07 | 9.80E-06 | 3.56E-06 | 3.56E-06 | 4.30E-06 | 3.75E-06 | 2.27E-06 | 9.28E-06 | 1.74E-08 | 3.28E-06 | 6.40E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 1.80E-07 | 9.80E-06 | 3.56E-06 | 3.56E-06 | 4.30E-06 | 3.75E-06 | 2.27E-06 | 9.28E-06 | 1.74E-08 | 3.28E-06 | 7.34E-05 |
| MUSCLE* | G | 8.10E-06 | 7.48E-06 | 3.57E-06 | 3.57E-06 | 4.37E-06 | 3.27E-06 | 3.01E-06 | 5.97E-06 | 4.46E-06 | 5.71E-06 | 5.60E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 8.10E-06 | 7.48E-06 | 3.57E-06 | 3.57E-06 | 4.37E-06 | 3.27E-06 | 3.01E-06 | 5.97E-06 | 4.46E-06 | 5.71E-06 | 7.26E-05 |
| OVARIES | G | 4.03E-03 | 1.37E-06 | 2.84E-06 | 2.84E-06 | 1.21E-05 | 5.21E-06 | 1.34E-06 | 1.23E-06 | 1.03E-46 | 1.32E-08 | 7.58E-06 |
| | B | 4.26E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 4.30E-01 | 1.37E-06 | 2.84E-06 | 2.84E-06 | 1.21E-05 | 5.21E-06 | 1.34E-06 | 1.23E-06 | 1.03E-46 | 1.32E-08 | 7.45E-05 |

58-CERIUM-144 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.58E-06 | 1.07E-03 | 2.89E-06 | 2.89E-06 | 5.89E-06 | 3.77E-06 | 1.48E-06 | 8.82E-05 | 1.57E-07 | 2.07E-07 | 7.93E-06 |
| | B | 0.0 | 4.69E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 1.58E-06 | 4.79E-02 | 2.89E-06 | 2.89E-06 | 5.89E-06 | 3.77E-06 | 1.48E-06 | 8.82E-05 | 1.57E-07 | 2.07E-07 | 7.49E-05 |
| SKELETON BONE | G | 6.68E-06 | 5.93E-06 | 2.50E-05 | 2.50E-05 | 1.62E-05 | 1.89E-05 | 4.72E-06 | 4.92E-06 | 3.33E-06 | 4.02E-06 | 9.77E-06 |
| | B | 0.0 | 0.0 | 9.37E-04 | 7.76E-04 | 1.08E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 6.68E-06 | 5.93E-06 | 9.62E-04 | 8.01E-04 | 1.24E-04 | 1.89E-05 | 4.72E-06 | 4.92E-06 | 3.33E-06 | 4.02E-06 | 7.67E-05 |
| R MARROW | G | 2.47E-05 | 1.13E-05 | 2.28E-05 | 2.28E-05 | 5.84E-05 | 1.93E-05 | 4.44E-06 | 6.87E-06 | 2.58E-06 | 4.30E-06 | 1.15E-05 |
| | B | 0.0 | 0.0 | 4.71E-06 | 5.38E-04 | 2.75E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 2.47E-05 | 1.13E-05 | 2.75E-05 | 5.60E-04 | 2.81E-03 | 1.93E-05 | 4.44E-06 | 6.87E-06 | 2.58E-06 | 4.30E-06 | 7.84E-05 |
| Y MARROW | G | 9.15E-06 | 6.78E-06 | 2.20E-05 | 2.20E-05 | 2.12E-05 | 3.52E-05 | 5.19E-06 | 7.47E-06 | 1.17E-06 | 2.04E-06 | 9.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 9.15E-06 | 6.78E-06 | 2.20E-05 | 2.20E-05 | 2.12E-05 | 3.16E-03 | 5.19E-06 | 7.47E-06 | 1.17E-06 | 2.04E-06 | 7.63E-05 |
| T E CL | G | 6.68E-06 | 5.93E-06 | 2.47E-05 | 2.47E-05 | 2.36E-05 | 2.19E-05 | 4.72E-06 | 4.92E-06 | 3.33E-06 | 4.02E-06 | 9.81E-06 |
| | B | 0.0 | 0.0 | 5.10E-04 | 1.06E-03 | 8.58E-04 | 7.81E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 6.68E-06 | 5.93E-06 | 5.34E-04 | 1.08E-03 | 8.81E-04 | 8.03E-04 | 4.72E-06 | 4.92E-06 | 3.33E-06 | 4.02E-06 | 7.68E-05 |
| SKIN | G | 1.38E-06 | 1.37E-06 | 2.38E-06 | 2.38E-06 | 2.13E-06 | 2.75E-06 | 9.17E-06 | 1.73E-06 | 6.19E-06 | 3.07E-06 | 3.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.80E-03 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 1.38E-06 | 1.37E-06 | 2.38E-06 | 2.38E-06 | 2.13E-06 | 2.75E-06 | 1.81E-03 | 1.73E-06 | 6.19E-06 | 3.07E-06 | 7.01E-05 |
| SPLEEN | G | 1.54E-06 | 8.91E-05 | 2.16E-06 | 2.16E-06 | 3.22E-06 | 3.78E-06 | 2.00E-06 | 6.43E-04 | 5.23E-08 | 3.17E-07 | 7.13E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.60E-02 | 0.0 | 0.0 | 6.70E-05 |
| | T | 1.54E-06 | 8.91E-05 | 2.16E-06 | 2.16E-06 | 3.22E-06 | 3.78E-06 | 2.00E-06 | 2.67E-02 | 5.23E-08 | 3.17E-07 | 7.41E-05 |
| TESTES | G | 1.03E-46 | 1.57E-07 | 2.18E-06 | 2.18E-06 | 1.53E-06 | 3.75E-06 | 4.10E-06 | 1.37E-07 | 1.78E-03 | 1.29E-09 | 4.93E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.34E-01 | 0.0 | 6.70E-05 |
| | T | 1.03E-46 | 1.57E-07 | 2.18E-06 | 2.18E-06 | 1.53E-06 | 3.75E-06 | 4.10E-06 | 1.37E-07 | 1.36E-01 | 1.29E-09 | 7.19E-05 |
| THYMUS | G | 7.31E-08 | 1.84E-06 | 1.83E-06 | 1.83E-06 | 3.05E-06 | 2.69E-06 | 2.18E-06 | 8.52E-07 | 6.74E-09 | 1.59E-05 | 7.15E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 7.31E-08 | 1.84E-06 | 1.83E-06 | 1.83E-06 | 3.05E-06 | 2.69E-06 | 2.18E-06 | 8.52E-07 | 6.74E-09 | 1.59E-05 | 7.41E-05 |
| THYROID | G | 1.33E-08 | 3.44E-07 | 2.77E-06 | 2.77E-06 | 2.29E-06 | 4.36E-06 | 2.92E-06 | 2.51E-07 | 1.29E-09 | 2.48E-03 | 4.47E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.34E-01 | 6.70E-05 |
| | T | 1.33E-08 | 3.44E-07 | 2.77E-06 | 2.77E-06 | 2.29E-06 | 4.36E-06 | 2.92E-06 | 2.51E-07 | 1.29E-09 | 2.37E-01 | 7.14E-05 |
| UTERUS | G | 8.94E-05 | 1.63E-06 | 1.96E-06 | 1.96E-06 | 7.59E-06 | 2.38E-06 | 1.44E-06 | 1.27E-06 | 1.03E-46 | 1.23E-08 | 8.51E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.70E-05 |
| | T | 8.94E-05 | 1.63E-06 | 1.96E-06 | 1.96E-06 | 7.59E-06 | 2.38E-06 | 1.44E-06 | 1.27E-06 | 1.03E-46 | 1.23E-08 | 7.55E-05 |
| T BODY | G | 8.78E-05 | 8.62E-06 | 6.69E-06 | 6.69E-06 | 7.22E-06 | 5.93E-06 | 3.39E-06 | 7.38E-06 | 5.72E-06 | 5.56E-06 | 6.24E-06 |
| | B | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 | 6.70E-05 |
| | T | 7.57E-05 | 7.56E-05 | 7.36E-05 | 7.36E-05 | 7.42E-05 | 7.29E-05 | 7.04E-05 | 7.43E-05 | 7.27E-05 | 7.25E-05 | 7.32E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-FASCHING, WALTERS AND CORYELL, PHYS. REV. C1, 1126 (1970)
DATE DECAY DATA REVIEWED-MARCH 1971

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 59-PRASEODYMIUM-142 (TR=1.920E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.00E-03 | 2.50E-06 | 3.26E-05 | 1.13E-05 | 1.01E-05 | 4.62E-06 | 1.05E-04 | 4.12E-05 | 1.65E-05 | 1.65E-05 | 1.39E-05 |
| | B | 2.96E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.97E 00 | 2.50E-06 | 3.26E-05 | 1.13E-05 | 1.01E-05 | 4.62E-06 | 1.05E-04 | 4.12E-05 | 1.65E-05 | 1.65E-05 | 1.39E-05 |
| BLAD WALL | G | 2.54E-06 | 6.11E-04 | 4.20E-06 | 3.07E-05 | 1.54E-05 | 5.86E-05 | 4.22E-06 | 2.54E-06 | 9.91E-07 | 9.91E-07 | 1.60E-05 |
| | B | 0.0 | 1.04E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.54E-06 | 1.04E-01 | 4.20E-06 | 3.07E-05 | 1.54E-05 | 5.86E-05 | 4.22E-06 | 2.54E-06 | 9.91E-07 | 9.91E-07 | 1.60E-05 |
| GI TRACT S WALL | G | 2.37E-05 | 4.10E-06 | 4.37E-04 | 3.18E-05 | 2.84E-05 | 1.44E-05 | 2.58E-05 | 1.79E-05 | 1.84E-05 | 1.84E-05 | 1.29E-05 |
| | B | 0.0 | 0.0 | 8.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.37E-05 | 4.10E-06 | 8.34E-02 | 3.18E-05 | 2.84E-05 | 1.44E-05 | 2.58E-05 | 1.79E-05 | 1.84E-05 | 1.84E-05 | 1.29E-05 |
| SI+CONT | G | 1.01E-05 | 2.44E-05 | 2.20E-05 | 2.66E-04 | 1.33E-04 | 7.80E-05 | 2.61E-05 | 1.50E-05 | 3.14E-06 | 3.14E-06 | 1.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 5.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.01E-05 | 2.44E-05 | 2.20E-05 | 5.21E-02 | 1.33E-04 | 7.80E-05 | 2.61E-05 | 1.50E-05 | 3.14E-06 | 3.14E-06 | 1.39E-05 |
| ULI WALL | G | 8.84E-06 | 1.81E-05 | 3.33E-05 | 1.97E-04 | 3.67E-04 | 3.91E-05 | 2.66E-05 | 1.96E-05 | 4.27E-06 | 4.27E-06 | 1.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 9.43E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.84E-06 | 1.81E-05 | 3.33E-05 | 1.97E-04 | 9.47E-02 | 3.91E-05 | 2.66E-05 | 1.96E-05 | 4.27E-06 | 4.27E-06 | 1.47E-05 |
| LLI WALL | G | 3.90E-06 | 6.37E-05 | 1.32E-05 | 6.04E-05 | 2.54E-05 | 4.46E-04 | 9.87E-06 | 3.58E-06 | 6.42E-07 | 6.42E-07 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.90E-06 | 6.37E-05 | 1.32E-05 | 6.04E-05 | 2.54E-05 | 1.54E-01 | 9.87E-06 | 3.58E-06 | 6.42E-07 | 6.42E-07 | 1.53E-05 |
| KIDNEYS | G | 9.15E-05 | 4.84E-06 | 2.89E-05 | 2.57E-05 | 2.50E-05 | 9.10E-06 | 6.28E-04 | 3.38E-05 | 1.02E-05 | 1.02E-05 | 1.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.34E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.15E-05 | 4.84E-06 | 2.89E-05 | 2.57E-05 | 2.50E-05 | 9.10E-06 | 1.34E-01 | 3.38E-05 | 1.02E-05 | 1.02E-05 | 1.32E-05 |
| LIVER | G | 4.27E-05 | 2.95E-06 | 1.83E-05 | 1.68E-05 | 2.26E-05 | 4.35E-06 | 3.40E-05 | 2.20E-04 | 2.11E-05 | 2.11E-05 | 1.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.31E-02 | 0.0 | 0.0 | 0.0 |
| | T | 4.27E-05 | 2.95E-06 | 1.83E-05 | 1.68E-05 | 2.26E-05 | 4.35E-06 | 3.40E-05 | 2.33E-02 | 2.11E-05 | 2.11E-05 | 1.02E-05 |
| LUNGS | G | 2.18E-05 | 9.23E-07 | 1.61E-05 | 3.21E-06 | 4.19E-06 | 1.73E-06 | 8.74E-06 | 2.26E-05 | 1.27E-04 | 1.27E-04 | 1.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.15E-02 | 4.15E-02 | 0.0 |
| | T | 2.18E-05 | 9.23E-07 | 1.61E-05 | 3.21E-06 | 4.19E-06 | 1.73E-06 | 8.74E-06 | 2.26E-05 | 4.16E-02 | 4.16E-02 | 1.19E-05 |
| RESP LYM NODE | G | 2.18E-05 | 9.23E-07 | 1.61E-05 | 3.21E-06 | 4.19E-06 | 1.73E-06 | 8.74E-06 | 2.26E-05 | 1.27E-04 | 1.27E-04 | 1.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.15E-02 | 2.77E 00 | 0.0 |
| | T | 2.18E-05 | 9.23E-07 | 1.61E-05 | 3.21E-06 | 4.19E-06 | 1.73E-06 | 8.74E-06 | 2.26E-05 | 4.16E-02 | 2.77E 00 | 1.19E-05 |
| MUSCLE* | G | 1.39E-05 | 1.60E-05 | 1.29E-05 | 1.39E-05 | 1.34E-05 | 1.53E-05 | 1.32E-05 | 1.02E-05 | 1.19E-05 | 1.19E-05 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.48E-03 |
| | T | 1.39E-05 | 1.60E-05 | 1.29E-05 | 1.39E-05 | 1.34E-05 | 1.53E-05 | 1.32E-05 | 1.02E-05 | 1.19E-05 | 1.19E-05 | 1.50E-03 |
| OVARIES | G | 1.38E-06 | 6.60E-05 | 8.92E-06 | 6.80E-05 | 6.18E-05 | 1.48E-04 | 1.13E-05 | 9.70E-06 | 1.75E-06 | 1.75E-06 | 1.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.38E-06 | 6.60E-05 | 8.92E-06 | 6.80E-05 | 6.18E-05 | 1.48E-04 | 1.13E-05 | 9.70E-06 | 1.75E-06 | 1.75E-06 | 1.77E-05 |

59-PRASEODYMIUM-142 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 7.62E-05 | 2.63E-06 | 1.48E-04 | 1.54E-05 | 1.91E-05 | 6.14E-06 | 5.62E-05 | 3.50E-05 | 2.17E-05 | 2.17E-05 | 1.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.62E-05 | 2.63E-06 | 1.48E-04 | 1.54E-05 | 1.91E-05 | 6.14E-06 | 5.62E-05 | 3.50E-05 | 2.17E-05 | 2.17E-05 | 1.60E-05 |
| SKELETON BONE | G | 1.18E-05 | 5.11E-06 | 5.29E-06 | 6.93E-06 | 6.30E-06 | 8.96E-06 | 8.78E-06 | 6.68E-06 | 8.56E-06 | 8.56E-06 | 1.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-05 | 5.11E-06 | 5.29E-06 | 6.93E-06 | 6.30E-06 | 8.96E-06 | 8.78E-06 | 6.68E-06 | 8.56E-06 | 8.56E-06 | 1.04E-05 |
| R MARROW | G | 2.08E-05 | 1.03E-05 | 8.57E-06 | 2.09E-05 | 1.79E-05 | 2.59E-05 | 2.18E-05 | 9.66E-06 | 1.10E-05 | 1.10E-05 | 1.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.08E-05 | 1.03E-05 | 8.57E-06 | 2.09E-05 | 1.79E-05 | 2.59E-05 | 2.18E-05 | 9.66E-06 | 1.10E-05 | 1.10E-05 | 1.15E-05 |
| Y MARROW | G | 1.16E-05 | 4.71E-06 | 7.55E-06 | 9.39E-06 | 8.86E-06 | 1.12E-05 | 1.07E-05 | 9.95E-06 | 8.71E-06 | 8.71E-06 | 9.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-05 | 4.71E-06 | 7.55E-06 | 9.39E-06 | 8.86E-06 | 1.12E-05 | 1.07E-05 | 9.95E-06 | 8.71E-06 | 8.71E-06 | 9.37E-06 |
| T E CL | G | 1.18E-05 | 5.11E-06 | 5.29E-06 | 6.93E-06 | 6.30E-06 | 8.96E-06 | 8.78E-06 | 6.68E-06 | 8.56E-06 | 8.56E-06 | 1.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-05 | 5.11E-06 | 5.29E-06 | 6.93E-06 | 6.30E-06 | 8.96E-06 | 8.78E-06 | 6.68E-06 | 8.56E-06 | 8.56E-06 | 1.04E-05 |
| SKIN | G | 7.08E-06 | 6.56E-06 | 5.90E-06 | 5.76E-06 | 5.50E-06 | 6.54E-06 | 6.34E-06 | 6.05E-06 | 6.64E-06 | 6.64E-06 | 8.74E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.08E-06 | 6.56E-06 | 5.90E-06 | 5.76E-06 | 5.50E-06 | 6.54E-06 | 6.34E-06 | 6.05E-06 | 6.64E-06 | 6.64E-06 | 8.74E-06 |
| SPLEEN | G | 5.03E-05 | 2.09E-06 | 8.20E-05 | 1.56E-05 | 1.36E-05 | 9.14E-06 | 7.08E-05 | 8.86E-06 | 1.62E-05 | 1.62E-05 | 1.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.03E-05 | 2.09E-06 | 8.20E-05 | 1.56E-05 | 1.36E-05 | 9.14E-06 | 7.08E-05 | 8.86E-06 | 1.62E-05 | 1.62E-05 | 1.34E-05 |
| TESTES | G | 9.82E-07 | 3.87E-05 | 1.76E-06 | 5.80E-06 | 4.05E-06 | 1.49E-05 | 1.76E-06 | 1.40E-06 | 4.32E-07 | 4.32E-07 | 1.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.82E-07 | 3.87E-05 | 1.76E-06 | 5.80E-06 | 4.05E-06 | 1.49E-05 | 1.76E-06 | 1.40E-06 | 4.32E-07 | 4.32E-07 | 1.21E-05 |
| THYMUS | G | 6.07E-06 | 5.36E-07 | 6.46E-06 | 1.65E-06 | 1.77E-06 | 8.21E-07 | 3.07E-06 | 6.66E-06 | 3.94E-05 | 3.94E-05 | 2.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.07E-06 | 5.36E-07 | 6.46E-06 | 1.65E-06 | 1.77E-06 | 8.21E-07 | 3.07E-06 | 6.66E-06 | 3.94E-05 | 3.94E-05 | 2.07E-05 |
| THYROID | G | 2.46E-06 | 2.23E-07 | 1.77E-06 | 6.31E-07 | 6.63E-07 | 3.43E-07 | 1.23E-06 | 2.04E-06 | 8.28E-06 | 8.28E-06 | 1.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.46E-06 | 2.23E-07 | 1.77E-06 | 6.31E-07 | 6.63E-07 | 3.43E-07 | 1.23E-06 | 2.04E-06 | 8.28E-06 | 8.28E-06 | 1.24E-05 |
| UTERUS | G | 4.11E-06 | 1.18E-04 | 9.44E-06 | 7.10E-05 | 4.56E-05 | 5.18E-05 | 1.01E-05 | 6.04E-06 | 2.60E-06 | 2.60E-06 | 1.65E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.11E-06 | 1.18E-04 | 9.44E-06 | 7.10E-05 | 4.56E-05 | 5.18E-05 | 1.01E-05 | 6.04E-06 | 2.60E-06 | 2.60E-06 | 1.65E-05 |
| T BODY | G | 1.51E-05 | 1.66E-05 | 1.59E-05 | 1.74E-05 | 1.70E-05 | 1.70E-05 | 1.53E-05 | 1.52E-05 | 1.29E-05 | 1.29E-05 | 1.31E-05 |
| | B | 5.93E-04 | 6.67E-05 | 1.78E-04 | 4.74E-04 | 2.83E-04 | 3.51E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 |
| | T | 6.08E-04 | 8.33E-05 | 1.94E-04 | 4.92E-04 | 3.00E-04 | 3.68E-04 | 6.08E-04 | 6.08E-04 | 6.06E-04 | 6.06E-04 | 6.06E-04 |

CONTINUED NEXT PAGE

59-PRASEODYMIUM-142 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 5.12E-06 | 6.99E-05 | 1.80E-05 | 1.80E-05 | 1.84E-05 | 1.21E-05 | 8.37E-06 | 5.74E-05 | 9.82E-07 | 2.20E-06 | 2.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 5.12E-06 | 6.99E-05 | 1.80E-05 | 1.80E-05 | 1.84E-05 | 1.21E-05 | 8.37E-06 | 5.74E-05 | 9.82E-07 | 2.20E-06 | 6.20E-04 |
| BLAD WALL | G | 5.93E-05 | 3.25E-06 | 7.31E-06 | 7.31E-06 | 1.03E-05 | 4.17E-06 | 7.81E-06 | 2.68E-06 | 4.10E-05 | 2.24E-07 | 1.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 5.93E-05 | 3.25E-06 | 7.31E-06 | 7.31E-06 | 1.03E-05 | 4.17E-06 | 7.81E-06 | 2.68E-06 | 4.10E-05 | 2.24E-07 | 6.09E-04 |
| GI TRACT S WALL | G | 9.60E-06 | 1.46E-04 | 5.58E-06 | 5.58E-06 | 1.01E-05 | 6.68E-06 | 6.04E-06 | 9.12E-05 | 1.24E-06 | 1.79E-06 | 1.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 9.60E-06 | 1.46E-04 | 5.58E-06 | 5.58E-06 | 1.01E-05 | 6.68E-06 | 6.04E-06 | 9.12E-05 | 1.24E-06 | 1.79E-06 | 6.05E-04 |
| SI+CONT | G | 9.83E-05 | 1.66E-05 | 7.02E-06 | 7.02E-06 | 2.20E-05 | 9.49E-06 | 5.69E-06 | 1.36E-05 | 5.33E-06 | 5.67E-07 | 1.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 9.83E-05 | 1.66E-05 | 7.02E-06 | 7.02E-06 | 2.20E-05 | 9.49E-06 | 5.69E-06 | 1.36E-05 | 5.33E-06 | 5.67E-07 | 6.10E-04 |
| ULI WALL | G | 9.40E-05 | 1.97E-05 | 6.93E-06 | 6.93E-06 | 1.73E-05 | 9.47E-06 | 5.33E-06 | 1.38E-05 | 3.93E-06 | 6.63E-07 | 1.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 9.40E-05 | 1.97E-05 | 6.93E-06 | 6.93E-06 | 1.73E-05 | 9.47E-06 | 5.33E-06 | 1.38E-05 | 3.93E-06 | 6.63E-07 | 6.09E-04 |
| LLI WALL | G | 1.19E-04 | 6.60E-06 | 8.88E-06 | 8.88E-06 | 2.61E-05 | 9.40E-06 | 5.76E-06 | 6.33E-06 | 2.34E-05 | 3.00E-07 | 1.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 1.19E-04 | 6.60E-06 | 8.88E-06 | 8.88E-06 | 2.61E-05 | 9.40E-06 | 5.76E-06 | 6.33E-06 | 2.34E-05 | 3.00E-07 | 6.11E-04 |
| KIDNEYS | G | 1.00E-05 | 5.32E-05 | 9.08E-06 | 9.08E-06 | 2.39E-05 | 1.05E-05 | 7.05E-06 | 7.48E-05 | 1.61E-06 | 1.70E-06 | 1.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 1.00E-05 | 5.32E-05 | 9.08E-06 | 9.08E-06 | 2.39E-05 | 1.05E-05 | 7.05E-06 | 7.48E-05 | 1.61E-06 | 1.70E-06 | 6.07E-04 |
| LIVER | G | 6.44E-06 | 3.55E-05 | 6.92E-06 | 6.92E-06 | 9.87E-06 | 1.04E-05 | 6.55E-06 | 1.02E-05 | 1.23E-06 | 2.23E-06 | 1.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 6.44E-06 | 3.55E-05 | 6.92E-06 | 6.92E-06 | 9.87E-06 | 1.04E-05 | 6.55E-06 | 1.02E-05 | 1.23E-06 | 2.23E-06 | 6.08E-04 |
| LUNGS | G | 1.68E-06 | 2.00E-05 | 9.02E-06 | 9.02E-06 | 1.17E-05 | 9.64E-06 | 6.88E-06 | 1.85E-05 | 4.57E-07 | 9.89E-06 | 1.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 1.68E-06 | 2.00E-05 | 9.02E-06 | 9.02E-06 | 1.17E-05 | 9.64E-06 | 6.88E-06 | 1.85E-05 | 4.57E-07 | 9.89E-06 | 6.05E-04 |
| RESP LYM NODE | G | 1.68E-06 | 2.00E-05 | 9.02E-06 | 9.02E-06 | 1.17E-05 | 9.64E-06 | 6.88E-06 | 1.85E-05 | 4.57E-07 | 9.89E-06 | 1.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 1.68E-06 | 2.00E-05 | 9.02E-06 | 9.02E-06 | 1.17E-05 | 9.64E-06 | 6.88E-06 | 1.85E-05 | 4.57E-07 | 9.89E-06 | 6.05E-04 |
| MUSCLE* | G | 1.77E-05 | 1.60E-05 | 1.04E-05 | 1.04E-05 | 1.20E-05 | 9.49E-06 | 8.74E-06 | 1.34E-05 | 1.21E-05 | 1.24E-05 | 1.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 1.77E-05 | 1.60E-05 | 1.04E-05 | 1.04E-05 | 1.20E-05 | 9.49E-06 | 8.74E-06 | 1.34E-05 | 1.21E-05 | 1.24E-05 | 6.06E-04 |
| OVARIES | G | 6.71E-03 | 6.99E-06 | 8.27E-06 | 8.27E-06 | 3.28E-05 | 8.73E-06 | 5.35E-06 | 5.66E-06 | 0.0 | 3.54E-07 | 1.93E-05 |
| | B | 3.77E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 3.78E 00 | 6.99E-06 | 8.27E-06 | 8.27E-06 | 3.28E-05 | 8.73E-06 | 5.35E-06 | 5.66E-06 | 0.0 | 3.54E-07 | 6.12E-04 |

59-PRASEODYMIUM-142 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.91E-06 | 1.86E-03 | 1.09E-05 | 1.09E-05 | 1.18E-05 | 9.86E-06 | 5.33E-06 | 1.52E-04 | 1.42E-06 | 4.10E-06 | 1.61E-05 |
| | B | 0.0 | 4.15E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 4.91E-06 | 4.17E-01 | 1.09E-05 | 1.09E-05 | 1.18E-05 | 9.86E-06 | 5.33E-06 | 1.52E-04 | 1.42E-06 | 4.10E-06 | 6.09E-04 |
| SKELETON BONE | G | 7.96E-06 | 8.20E-06 | 2.98E-05 | 2.98E-05 | 2.00E-05 | 2.25E-05 | 8.04E-06 | 6.95E-06 | 5.92E-06 | 6.89E-06 | 1.28E-05 |
| | B | 0.0 | 0.0 | 8.30E-03 | 4.71E-03 | 2.39E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 7.96E-06 | 8.20E-06 | 8.33E-03 | 4.74E-03 | 2.41E-03 | 2.25E-05 | 8.04E-06 | 6.95E-06 | 5.92E-06 | 6.89E-06 | 6.06E-04 |
| R MARROW | G | 2.51E-05 | 1.51E-05 | 2.70E-05 | 2.70E-05 | 6.32E-05 | 2.28E-05 | 7.60E-06 | 9.89E-06 | 4.53E-06 | 7.58E-06 | 1.40E-05 |
| | B | 0.0 | 0.0 | 6.26E-04 | 1.20E-02 | 1.80E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 2.51E-05 | 1.51E-05 | 6.53E-04 | 1.20E-02 | 1.81E-02 | 2.28E-05 | 7.60E-06 | 9.89E-06 | 4.53E-06 | 7.58E-06 | 6.07E-04 |
| Y MARROW | G | 1.03E-05 | 9.71E-06 | 2.55E-05 | 2.55E-05 | 2.47E-05 | 3.82E-05 | 8.57E-06 | 1.02E-05 | 2.77E-06 | 3.92E-06 | 1.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.77E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 1.03E-05 | 9.71E-06 | 2.55E-05 | 2.55E-05 | 2.47E-05 | 2.77E-02 | 8.57E-06 | 1.02E-05 | 2.77E-06 | 3.92E-06 | 6.05E-04 |
| T E CL | G | 7.96E-06 | 8.20E-06 | 2.98E-05 | 2.98E-05 | 2.69E-05 | 2.48E-05 | 8.04E-06 | 6.95E-06 | 5.92E-06 | 6.89E-06 | 1.28E-05 |
| | B | 0.0 | 0.0 | 5.16E-03 | 7.45E-03 | 8.86E-03 | 6.92E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 7.96E-06 | 8.20E-06 | 5.19E-03 | 7.48E-03 | 8.89E-03 | 6.94E-03 | 8.04E-06 | 6.95E-06 | 5.92E-06 | 6.89E-06 | 6.06E-04 |
| SKIN | G | 5.13E-06 | 5.22E-06 | 8.37E-06 | 8.37E-06 | 7.44E-06 | 8.74E-06 | 1.88E-05 | 5.98E-06 | 1.50E-05 | 8.72E-06 | 9.19E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60E-02 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 5.13E-06 | 5.22E-06 | 8.37E-06 | 8.37E-06 | 7.44E-06 | 8.74E-06 | 1.60E-02 | 5.98E-06 | 1.50E-05 | 8.72E-06 | 6.02E-04 |
| SPLEEN | G | 5.20E-06 | 1.58E-04 | 6.07E-06 | 6.07E-06 | 8.87E-06 | 1.18E-05 | 5.54E-06 | 1.11E-03 | 8.50E-07 | 1.79E-06 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.31E-01 | 0.0 | 0.0 | 5.93E-04 |
| | T | 5.20E-06 | 1.58E-04 | 6.07E-06 | 6.07E-06 | 8.87E-06 | 1.18E-05 | 5.54E-06 | 2.32E-01 | 8.50E-07 | 1.79E-06 | 6.06E-04 |
| TESTES | G | 0.0 | 1.34E-06 | 7.68E-06 | 7.68E-06 | 2.04E-06 | 8.07E-06 | 9.05E-06 | 1.24E-06 | 3.06E-03 | 1.08E-07 | 1.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.19E 00 | 0.0 | 5.93E-04 |
| | T | 0.0 | 1.34E-06 | 7.68E-06 | 7.68E-06 | 2.04E-06 | 8.07E-06 | 9.05E-06 | 1.24E-06 | 1.19E 00 | 1.08E-07 | 6.07E-04 |
| THYMUS | G | 8.75E-07 | 6.35E-06 | 4.52E-06 | 4.52E-06 | 9.48E-06 | 7.54E-06 | 6.09E-06 | 2.01E-06 | 2.49E-07 | 3.98E-05 | 1.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 8.75E-07 | 6.35E-06 | 4.52E-06 | 4.52E-06 | 9.48E-06 | 7.54E-06 | 6.09E-06 | 2.01E-06 | 2.49E-07 | 3.98E-05 | 6.10E-04 |
| THYROID | G | 3.54E-07 | 2.11E-06 | 9.79E-06 | 9.79E-06 | 6.46E-06 | 7.11E-06 | 7.09E-06 | 1.74E-06 | 1.08E-07 | 4.26E-03 | 1.20E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.07E 00 | 5.93E-04 |
| | T | 3.54E-07 | 2.11E-06 | 9.79E-06 | 9.79E-06 | 6.46E-06 | 7.11E-06 | 7.09E-06 | 1.74E-06 | 1.08E-07 | 2.08E 00 | 6.05E-04 |
| UTERUS | G | 1.44E-04 | 5.63E-06 | 5.72E-06 | 5.72E-06 | 1.54E-05 | 4.53E-06 | 6.10E-06 | 2.34E-06 | 0.0 | 3.41E-07 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.93E-04 |
| | T | 1.44E-04 | 5.63E-06 | 5.72E-06 | 5.72E-06 | 1.54E-05 | 4.53E-06 | 6.10E-06 | 2.34E-06 | 0.0 | 3.41E-07 | 6.08E-04 |
| T BODY | G | 1.76E-05 | 1.74E-05 | 1.31E-05 | 1.31E-05 | 1.44E-05 | 1.16E-05 | 8.76E-06 | 1.52E-05 | 1.32E-05 | 1.19E-05 | 1.30E-05 |
| | B | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 | 5.93E-04 |
| | T | 6.10E-04 | 6.10E-04 | 6.06E-04 | 6.06E-04 | 6.07E-04 | 6.04E-04 | 6.01E-04 | 6.08E-04 | 6.06E-04 | 6.05E-04 | 6.06E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA 2, JULY 1967, SHEETS B-2-1-3, 13-14
DATE DECAY DATA REVIEWED-SEPTEMBER 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 59-PRASEODYMIUM-143 (TR=1.358E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | B | 1.15E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.15E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BLAD WALL | B | 0.0 | 4.02E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 4.02E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 3.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 3.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 2.01E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 2.01E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.66E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 3.66E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.96E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.96E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.94E-03 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.94E-03 | 0.0 | 0.0 | 0.0 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.61E-02 | 1.61E-02 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.61E-02 | 1.61E-02 | 0.0 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.61E-02 | 1.07E 00 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.61E-02 | 1.07E 00 | 0.0 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.75E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.75E-04 |
| OVARIES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

59-PRASEODYMIUM-143 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKELETON BONE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T E CL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T BODY | B | 2.30E-04 | 2.59E-05 | 6.90E-05 | 1.84E-04 | 1.10E-04 | 1.36E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 |
| | T | 2.30E-04 | 2.59E-05 | 6.90E-05 | 1.84E-04 | 1.10E-04 | 1.36E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 |

CONTINUED NEXT PAGE

59-PRASEODYMIUM-143 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| BLAD WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| OVARIES | B | 1.46E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 1.46E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |

59-PRASEODYMIUM-143 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | B | 0.0 | 1.61E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 1.61E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| SKELETON BONE | B | 0.0 | 0.0 | 3.22E-03 | 2.02E-03 | 7.99E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 3.22E-03 | 2.02E-03 | 7.99E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| R MARROW | B | 0.0 | 0.0 | 8.86E-05 | 4.00E-03 | 7.83E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 8.86E-05 | 4.00E-03 | 7.83E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| T E CL | B | 0.0 | 0.0 | 2.07E-03 | 3.60E-03 | 2.96E-03 | 2.68E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 2.07E-03 | 3.60E-03 | 2.96E-03 | 2.68E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.19E-03 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.19E-03 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.94E-02 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.94E-02 | 0.0 | 0.0 | 2.30E-04 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.60E-01 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.60E-01 | 0.0 | 2.30E-04 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.05E-01 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.05E-01 | 2.30E-04 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-04 |
| T BODY | B | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 |
| | T | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 | 2.30E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA 2, JULY 1967, SHEETS B-2-1-27, 41
DATE DECAY DATA REVIEWED-SEPTEMBER 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 59-PRASEODYMIUM-144 (TR=1.730E 01 MIN)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.16E-03 | 1.28E-06 | 1.24E-05 | 6.38E-06 | 5.29E-06 | 2.44E-06 | 5.48E-05 | 2.43E-05 | 8.38E-06 | 8.38E-06 | 7.28E-06 |
| | B | 4.44E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.44E 00 | 1.28E-06 | 1.24E-05 | 6.38E-06 | 5.29E-06 | 2.44E-06 | 5.48E-05 | 2.43E-05 | 8.38E-06 | 8.38E-06 | 7.28E-06 |
| BLAD WALL | G | 1.24E-06 | 3.30E-04 | 2.03E-06 | 1.38E-05 | 1.03E-05 | 2.70E-05 | 2.05E-06 | 1.43E-06 | 4.97E-07 | 4.97E-07 | 8.41E-06 |
| | B | 0.0 | 1.55E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.24E-06 | 1.56E-01 | 2.03E-06 | 1.38E-05 | 1.03E-05 | 2.70E-05 | 2.05E-06 | 1.43E-06 | 4.97E-07 | 4.97E-07 | 8.41E-06 |
| GI TRACT S WALL | G | 1.26E-05 | 2.49E-06 | 2.36E-04 | 1.63E-05 | 1.65E-05 | 8.48E-06 | 1.58E-05 | 9.62E-06 | 9.66E-06 | 9.66E-06 | 6.74E-06 |
| | B | 0.0 | 0.0 | 1.24E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.26E-05 | 2.49E-06 | 1.25E-01 | 1.63E-05 | 1.65E-05 | 8.48E-06 | 1.58E-05 | 9.62E-06 | 9.66E-06 | 9.66E-06 | 6.74E-06 |
| SI+CONT | G | 4.97E-06 | 1.32E-05 | 1.23E-05 | 1.39E-04 | 7.18E-05 | 4.14E-05 | 1.33E-05 | 7.65E-06 | 1.70E-06 | 1.70E-06 | 7.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 7.77E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.97E-06 | 1.32E-05 | 1.23E-05 | 7.79E-02 | 7.18E-05 | 4.14E-05 | 1.33E-05 | 7.65E-06 | 1.70E-06 | 1.70E-06 | 7.32E-06 |
| ULI WALL | G | 5.36E-06 | 9.91E-06 | 1.49E-05 | 1.05E-04 | 1.97E-04 | 1.89E-05 | 1.29E-05 | 1.14E-05 | 2.16E-06 | 2.16E-06 | 7.74E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.36E-06 | 9.91E-06 | 1.49E-05 | 1.05E-04 | 1.42E-01 | 1.89E-05 | 1.29E-05 | 1.14E-05 | 2.16E-06 | 2.16E-06 | 7.74E-06 |
| LLI WALL | G | 1.96E-06 | 3.28E-05 | 6.46E-06 | 3.27E-05 | 1.39E-05 | 2.34E-04 | 4.65E-06 | 1.62E-06 | 3.92E-07 | 3.92E-07 | 8.05E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.30E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.96E-06 | 3.28E-05 | 6.46E-06 | 3.27E-05 | 1.39E-05 | 2.31E-01 | 4.65E-06 | 1.62E-06 | 3.92E-07 | 3.92E-07 | 8.05E-06 |
| KIDNEYS | G | 5.18E-05 | 2.07E-06 | 1.51E-05 | 1.43E-05 | 1.27E-05 | 5.00E-06 | 3.29E-04 | 1.78E-05 | 4.52E-06 | 4.52E-06 | 6.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.01E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.18E-05 | 2.07E-06 | 1.51E-05 | 1.43E-05 | 1.27E-05 | 5.00E-06 | 2.01E-01 | 1.78E-05 | 4.52E-06 | 4.52E-06 | 6.91E-06 |
| LIVER | G | 2.25E-05 | 1.69E-06 | 9.84E-06 | 8.85E-06 | 1.19E-05 | 1.98E-06 | 1.82E-05 | 1.16E-04 | 1.10E-05 | 1.10E-05 | 5.39E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.45E-02 | 0.0 | 0.0 | 0.0 |
| | T | 2.25E-05 | 1.69E-06 | 9.84E-06 | 8.85E-06 | 1.19E-05 | 1.98E-06 | 1.82E-05 | 3.47E-02 | 1.10E-05 | 1.10E-05 | 5.39E-06 |
| LUNGS | G | 1.12E-05 | 4.58E-07 | 8.38E-06 | 1.79E-06 | 2.01E-06 | 9.66E-07 | 4.65E-06 | 1.15E-05 | 6.61E-05 | 6.61E-05 | 6.30E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.22E-02 | 6.22E-02 | 0.0 |
| | T | 1.12E-05 | 4.58E-07 | 8.38E-06 | 1.79E-06 | 2.01E-06 | 9.66E-07 | 4.65E-06 | 1.15E-05 | 6.22E-02 | 6.22E-02 | 6.30E-06 |
| RESP LYM NODE | G | 1.12E-05 | 4.58E-07 | 8.38E-06 | 1.79E-06 | 2.01E-06 | 9.66E-07 | 4.65E-06 | 1.15E-05 | 6.61E-05 | 6.61E-05 | 6.30E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.22E-02 | 4.15E 00 | 0.0 |
| | T | 1.12E-05 | 4.58E-07 | 8.38E-06 | 1.79E-06 | 2.01E-06 | 9.66E-07 | 4.65E-06 | 1.15E-05 | 6.22E-02 | 4.15E 00 | 6.30E-06 |
| MUSCLE* | G | 7.28E-06 | 8.41E-06 | 6.74E-06 | 7.32E-06 | 7.10E-06 | 8.05E-06 | 6.91E-06 | 5.39E-06 | 6.30E-06 | 6.30E-06 | 7.21E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.22E-03 |
| | T | 7.28E-06 | 8.41E-06 | 6.74E-06 | 7.32E-06 | 7.10E-06 | 8.05E-06 | 6.91E-06 | 5.39E-06 | 6.30E-06 | 6.30E-06 | 2.23E-03 |
| OVARIES | G | 2.38E-06 | 2.81E-05 | 4.56E-06 | 3.95E-05 | 4.90E-05 | 7.65E-05 | 5.88E-06 | 3.26E-06 | 8.96E-07 | 8.96E-07 | 9.35E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.38E-06 | 2.81E-05 | 4.56E-06 | 3.95E-05 | 4.90E-05 | 7.65E-05 | 5.88E-06 | 3.26E-06 | 8.96E-07 | 8.96E-07 | 9.35E-06 |

59-PRASEODYMIUM-144 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 3.98E-05 | 1.76E-06 | 7.61E-05 | 9.38E-06 | 1.05E-05 | 3.70E-06 | 2.83E-05 | 1.88E-05 | 1.10E-05 | 1.10E-05 | 8.48E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.98E-05 | 1.76E-06 | 7.61E-05 | 9.38E-06 | 1.05E-05 | 3.70E-06 | 2.83E-05 | 1.88E-05 | 1.10E-05 | 1.10E-05 | 8.48E-06 |
| SKELETON BONE | G | 6.35E-06 | 2.77E-06 | 2.85E-06 | 3.71E-06 | 3.36E-06 | 4.85E-06 | 4.60E-06 | 3.54E-06 | 4.73E-06 | 4.73E-06 | 5.42E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.35E-06 | 2.77E-06 | 2.85E-06 | 3.71E-06 | 3.36E-06 | 4.85E-06 | 4.60E-06 | 3.54E-06 | 4.73E-06 | 4.73E-06 | 5.42E-06 |
| R MARROW | G | 1.13E-05 | 5.62E-06 | 4.69E-06 | 1.13E-05 | 9.71E-06 | 1.41E-05 | 1.14E-05 | 5.10E-06 | 5.98E-06 | 5.98E-06 | 6.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.13E-05 | 5.62E-06 | 4.69E-06 | 1.13E-05 | 9.71E-06 | 1.41E-05 | 1.14E-05 | 5.10E-06 | 5.98E-06 | 5.98E-06 | 6.37E-06 |
| Y MARROW | G | 6.25E-06 | 2.61E-06 | 3.98E-06 | 5.07E-06 | 4.69E-06 | 5.97E-06 | 5.65E-06 | 5.19E-06 | 4.96E-06 | 4.96E-06 | 5.16E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.25E-06 | 2.61E-06 | 3.98E-06 | 5.07E-06 | 4.69E-06 | 5.97E-06 | 5.65E-06 | 5.19E-06 | 4.96E-06 | 4.96E-06 | 5.16E-06 |
| T E CL | G | 6.35E-06 | 2.77E-06 | 2.85E-06 | 3.71E-06 | 3.36E-06 | 4.85E-06 | 4.60E-06 | 3.54E-06 | 4.73E-06 | 4.73E-06 | 5.42E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.35E-06 | 2.77E-06 | 2.85E-06 | 3.71E-06 | 3.36E-06 | 4.85E-06 | 4.60E-06 | 3.54E-06 | 4.73E-06 | 4.73E-06 | 5.42E-06 |
| SKIN | G | 3.47E-06 | 3.39E-06 | 3.18E-06 | 2.82E-06 | 2.88E-06 | 3.19E-06 | 3.39E-06 | 3.22E-06 | 3.44E-06 | 3.44E-06 | 4.55E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.47E-06 | 3.39E-06 | 3.18E-06 | 2.82E-06 | 2.88E-06 | 3.19E-06 | 3.39E-06 | 3.22E-06 | 3.44E-06 | 3.44E-06 | 4.55E-06 |
| SPLEEN | G | 2.83E-05 | 1.43E-06 | 4.26E-05 | 7.89E-06 | 6.31E-06 | 4.97E-06 | 3.75E-05 | 5.01E-06 | 1.00E-05 | 1.00E-05 | 7.00E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.83E-05 | 1.43E-06 | 4.26E-05 | 7.89E-06 | 6.31E-06 | 4.97E-06 | 3.75E-05 | 5.01E-06 | 1.00E-05 | 1.00E-05 | 7.00E-06 |
| TESTES | G | 4.91E-07 | 2.29E-05 | 7.56E-07 | 2.85E-06 | 2.65E-06 | 9.13E-06 | 8.98E-07 | 7.98E-07 | 2.13E-07 | 2.13E-07 | 6.71E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.91E-07 | 2.29E-05 | 7.56E-07 | 2.85E-06 | 2.65E-06 | 9.13E-06 | 8.98E-07 | 7.98E-07 | 2.13E-07 | 2.13E-07 | 6.71E-06 |
| THYMUS | G | 3.67E-06 | 2.65E-07 | 2.67E-06 | 8.41E-07 | 9.05E-07 | 4.11E-07 | 1.17E-06 | 4.73E-06 | 1.91E-05 | 1.91E-05 | 8.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.67E-06 | 2.65E-07 | 2.67E-06 | 8.41E-07 | 9.05E-07 | 4.11E-07 | 1.17E-06 | 4.73E-06 | 1.91E-05 | 1.91E-05 | 8.96E-06 |
| THYROID | G | 1.15E-06 | 1.09E-07 | 9.06E-07 | 3.13E-07 | 3.29E-07 | 1.69E-07 | 6.18E-07 | 1.05E-06 | 5.30E-06 | 5.30E-06 | 6.51E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.15E-06 | 1.09E-07 | 9.06E-07 | 3.13E-07 | 3.29E-07 | 1.69E-07 | 6.18E-07 | 1.05E-06 | 5.30E-06 | 5.30E-06 | 6.51E-06 |
| UTERUS | G | 1.80E-06 | 6.70E-05 | 4.54E-06 | 3.82E-05 | 2.29E-05 | 2.59E-05 | 4.02E-06 | 2.64E-06 | 8.71E-07 | 8.71E-07 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.80E-06 | 6.70E-05 | 4.54E-06 | 3.82E-05 | 2.29E-05 | 2.59E-05 | 4.02E-06 | 2.64E-06 | 8.71E-07 | 8.71E-07 | 1.07E-05 |
| T BODY | G | 7.97E-06 | 8.80E-06 | 8.37E-06 | 9.15E-06 | 9.00E-06 | 8.95E-06 | 8.04E-06 | 8.02E-06 | 6.81E-06 | 6.81E-06 | 6.89E-06 |
| | B | 8.88E-04 | 9.99E-05 | 2.66E-04 | 7.11E-04 | 4.24E-04 | 5.26E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 |
| | T | 8.96E-04 | 1.09E-04 | 2.75E-04 | 7.20E-04 | 4.33E-04 | 5.35E-04 | 8.96E-04 | 8.96E-04 | 8.95E-04 | 8.95E-04 | 8.95E-04 |

CONTINUED NEXT PAGE

59-PRASEODYMIUM-144 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.77E-06 | 3.36E-05 | 7.56E-06 | 7.56E-06 | 9.08E-06 | 5.01E-06 | 4.18E-06 | 3.02E-05 | 4.91E-07 | 1.13E-06 | 1.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 2.77E-06 | 3.36E-05 | 7.56E-06 | 7.56E-06 | 9.08E-06 | 5.01E-06 | 4.18E-06 | 3.02E-05 | 4.91E-07 | 1.13E-06 | 8.98E-04 |
| BLAD WALL | G | 3.02E-05 | 1.73E-06 | 3.09E-06 | 3.09E-06 | 4.08E-06 | 1.90E-06 | 3.62E-06 | 1.38E-06 | 2.29E-05 | 1.10E-07 | 8.54E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 3.02E-05 | 1.73E-06 | 3.09E-06 | 3.09E-06 | 4.08E-06 | 1.90E-06 | 3.62E-06 | 1.38E-06 | 2.29E-05 | 1.10E-07 | 8.97E-04 |
| GI TRACT S WALL | G | 4.69E-06 | 7.72E-05 | 2.81E-06 | 2.81E-06 | 4.86E-06 | 3.75E-06 | 3.18E-06 | 4.48E-05 | 6.63E-07 | 6.89E-07 | 7.69E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 4.69E-06 | 7.72E-05 | 2.81E-06 | 2.81E-06 | 4.86E-06 | 3.75E-06 | 3.18E-06 | 4.48E-05 | 6.63E-07 | 6.89E-07 | 8.96E-04 |
| SI+CONT | G | 5.28E-05 | 8.61E-06 | 3.86E-06 | 3.86E-06 | 1.22E-05 | 4.99E-06 | 2.89E-06 | 6.78E-06 | 2.84E-06 | 2.36E-07 | 9.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 5.28E-05 | 8.61E-06 | 3.86E-06 | 3.86E-06 | 1.22E-05 | 4.99E-06 | 2.89E-06 | 6.78E-06 | 2.84E-06 | 2.36E-07 | 8.97E-04 |
| ULI WALL | G | 4.97E-05 | 1.01E-05 | 3.66E-06 | 3.66E-06 | 9.61E-06 | 4.45E-06 | 2.97E-06 | 7.15E-06 | 2.70E-06 | 2.60E-07 | 8.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 4.97E-05 | 1.01E-05 | 3.66E-06 | 3.66E-06 | 9.61E-06 | 4.45E-06 | 2.97E-06 | 7.15E-06 | 2.70E-06 | 2.60E-07 | 8.97E-04 |
| LLI WALL | G | 6.40E-05 | 2.76E-06 | 4.63E-06 | 4.63E-06 | 1.52E-05 | 4.53E-06 | 3.19E-06 | 3.43E-06 | 1.23E-05 | 1.47E-07 | 1.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 6.40E-05 | 2.76E-06 | 4.63E-06 | 4.63E-06 | 1.52E-05 | 4.53E-06 | 3.19E-06 | 3.43E-06 | 1.23E-05 | 1.47E-07 | 8.99E-04 |
| KIDNEYS | G | 5.63E-06 | 2.79E-05 | 4.48E-06 | 4.48E-06 | 1.22E-05 | 5.43E-06 | 3.73E-06 | 3.88E-05 | 6.94E-07 | 6.14E-07 | 7.99E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 5.63E-06 | 2.79E-05 | 4.48E-06 | 4.48E-06 | 1.22E-05 | 5.43E-06 | 3.73E-06 | 3.88E-05 | 6.94E-07 | 6.14E-07 | 8.96E-04 |
| LIVER | G | 3.42E-06 | 1.85E-05 | 3.78E-06 | 3.78E-06 | 5.04E-06 | 5.38E-06 | 3.46E-06 | 5.29E-06 | 5.53E-07 | 1.18E-06 | 8.05E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 3.42E-06 | 1.85E-05 | 3.78E-06 | 3.78E-06 | 5.04E-06 | 5.38E-06 | 3.46E-06 | 5.29E-06 | 5.53E-07 | 1.18E-06 | 8.96E-04 |
| LUNGS | G | 8.44E-07 | 1.09E-05 | 4.87E-06 | 4.87E-06 | 5.79E-06 | 4.73E-06 | 3.53E-06 | 1.03E-05 | 1.73E-07 | 5.28E-06 | 6.64E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 8.44E-07 | 1.09E-05 | 4.87E-06 | 4.87E-06 | 5.79E-06 | 4.73E-06 | 3.53E-06 | 1.03E-05 | 1.73E-07 | 5.28E-06 | 8.95E-04 |
| RESP LYM NODE | G | 8.44E-07 | 1.09E-05 | 4.87E-06 | 4.87E-06 | 5.79E-06 | 4.73E-06 | 3.53E-06 | 1.03E-05 | 1.73E-07 | 5.28E-06 | 6.64E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 8.44E-07 | 1.09E-05 | 4.87E-06 | 4.87E-06 | 5.79E-06 | 4.73E-06 | 3.53E-06 | 1.03E-05 | 1.73E-07 | 5.28E-06 | 8.95E-04 |
| MUSCLE* | G | 9.35E-06 | 8.48E-06 | 5.42E-06 | 5.42E-06 | 6.30E-06 | 4.98E-06 | 4.55E-06 | 7.00E-06 | 6.71E-06 | 6.51E-06 | 6.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 9.35E-06 | 8.48E-06 | 5.42E-06 | 5.42E-06 | 6.30E-06 | 4.98E-06 | 4.55E-06 | 7.00E-06 | 6.71E-06 | 6.51E-06 | 8.95E-04 |
| OVARIES | G | 3.52E-03 | 3.47E-06 | 4.66E-06 | 4.66E-06 | 1.54E-05 | 4.41E-06 | 2.79E-06 | 2.26E-06 | 6.33E-50 | 1.74E-07 | 9.18E-06 |
| | B | 5.65E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 5.66E 00 | 3.47E-06 | 4.66E-06 | 4.66E-06 | 1.54E-05 | 4.41E-06 | 2.79E-06 | 2.26E-06 | 6.33E-50 | 1.74E-07 | 8.97E-04 |

59-PRASEODYMIUM-144 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.57E-06 | 9.67E-04 | 5.19E-06 | 5.19E-06 | 6.75E-06 | 5.08E-06 | 2.85E-06 | 8.39E-05 | 7.17E-07 | 1.01E-06 | 1.05E-05 |
| | B | 0.0 | 6.22E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 2.57E-06 | 6.23E-01 | 5.19E-06 | 5.19E-06 | 6.75E-06 | 5.08E-06 | 2.85E-06 | 8.39E-05 | 7.17E-07 | 1.01E-06 | 8.99E-04 |
| SKELETON BONE | G | 4.28E-06 | 4.29E-06 | 1.58E-05 | 1.58E-05 | 1.07E-05 | 1.19E-05 | 4.14E-06 | 3.63E-06 | 3.18E-06 | 3.63E-06 | 6.93E-06 |
| | B | 0.0 | 0.0 | 1.24E-02 | 7.10E-03 | 3.56E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 4.28E-06 | 4.29E-06 | 1.25E-02 | 7.12E-03 | 3.57E-03 | 1.19E-05 | 4.14E-06 | 3.63E-06 | 3.18E-06 | 3.63E-06 | 8.95E-04 |
| R MARROW | G | 1.36E-05 | 7.94E-06 | 1.42E-05 | 1.42E-05 | 3.38E-05 | 1.21E-05 | 3.85E-06 | 5.30E-06 | 2.55E-06 | 4.00E-06 | 7.61E-06 |
| | B | 0.0 | 0.0 | 1.03E-03 | 1.78E-02 | 2.69E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 1.36E-05 | 7.94E-06 | 1.04E-03 | 1.78E-02 | 2.69E-02 | 1.21E-05 | 3.85E-06 | 5.30E-06 | 2.55E-06 | 4.00E-06 | 8.96E-04 |
| Y MARROW | G | 5.59E-06 | 5.05E-06 | 1.36E-05 | 1.36E-05 | 1.32E-05 | 2.02E-05 | 4.39E-06 | 5.36E-06 | 1.53E-06 | 2.03E-06 | 6.42E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.15E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 5.59E-06 | 5.05E-06 | 1.36E-05 | 1.36E-05 | 1.32E-05 | 4.15E-02 | 4.39E-06 | 5.36E-06 | 1.53E-06 | 2.03E-06 | 8.95E-04 |
| T E CL | G | 4.28E-06 | 4.29E-06 | 1.58E-05 | 1.58E-05 | 1.44E-05 | 1.31E-05 | 4.14E-06 | 3.63E-06 | 3.18E-06 | 3.63E-06 | 6.93E-06 |
| | B | 0.0 | 0.0 | 7.59E-03 | 1.06E-02 | 1.37E-02 | 1.04E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 4.28E-06 | 4.29E-06 | 7.61E-03 | 1.06E-02 | 1.37E-02 | 1.04E-02 | 4.14E-06 | 3.63E-06 | 3.18E-06 | 3.63E-06 | 8.95E-04 |
| SKIN | G | 2.62E-06 | 2.71E-06 | 4.29E-06 | 4.29E-06 | 3.82E-06 | 4.77E-06 | 9.84E-06 | 3.05E-06 | 7.62E-06 | 4.45E-06 | 4.58E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.39E-02 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 2.62E-06 | 2.71E-06 | 4.29E-06 | 4.29E-06 | 3.82E-06 | 4.77E-06 | 2.39E-02 | 3.05E-06 | 7.62E-06 | 4.45E-06 | 8.93E-04 |
| SPLEEN | G | 3.56E-06 | 8.49E-05 | 3.67E-06 | 3.67E-06 | 4.95E-06 | 5.77E-06 | 3.17E-06 | 5.93E-04 | 6.81E-07 | 8.03E-07 | 7.57E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.45E-01 | 0.0 | 0.0 | 8.88E-04 |
| | T | 3.56E-06 | 8.49E-05 | 3.67E-06 | 3.67E-06 | 4.95E-06 | 5.77E-06 | 3.17E-06 | 3.46E-01 | 6.81E-07 | 8.03E-07 | 8.96E-04 |
| TESTES | G | 6.33E-50 | 6.30E-07 | 4.64E-06 | 4.64E-06 | 2.23E-06 | 4.36E-06 | 4.66E-06 | 6.22E-07 | 1.64E-03 | 5.33E-08 | 8.03E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.78E 00 | 0.0 | 8.88E-04 |
| | T | 6.33E-50 | 6.30E-07 | 4.64E-06 | 4.64E-06 | 2.23E-06 | 4.36E-06 | 4.66E-06 | 6.22E-07 | 1.78E 00 | 5.33E-08 | 8.96E-04 |
| THYMUS | G | 4.37E-07 | 3.06E-06 | 3.55E-06 | 3.55E-06 | 4.05E-06 | 3.14E-06 | 4.04E-06 | 2.87E-06 | 1.22E-07 | 2.18E-05 | 7.95E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 4.37E-07 | 3.06E-06 | 3.55E-06 | 3.55E-06 | 4.05E-06 | 3.14E-06 | 4.04E-06 | 2.87E-06 | 1.22E-07 | 2.18E-05 | 8.96E-04 |
| THYROID | G | 1.74E-07 | 9.55E-07 | 2.66E-06 | 2.66E-06 | 4.29E-06 | 3.71E-06 | 4.17E-06 | 8.84E-07 | 5.32E-08 | 2.21E-03 | 6.95E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.11E 00 | 8.88E-04 |
| | T | 1.74E-07 | 9.55E-07 | 2.66E-06 | 2.66E-06 | 4.29E-06 | 3.71E-06 | 4.17E-06 | 8.84E-07 | 5.32E-08 | 3.11E 00 | 8.95E-04 |
| UTERUS | G | 7.95E-05 | 3.14E-06 | 3.00E-06 | 3.00E-06 | 7.14E-06 | 3.94E-06 | 3.07E-06 | 2.55E-06 | 6.33E-50 | 1.67E-07 | 9.65E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.88E-04 |
| | T | 7.95E-05 | 3.14E-06 | 3.00E-06 | 3.00E-06 | 7.14E-06 | 3.94E-06 | 3.07E-06 | 2.55E-06 | 6.33E-50 | 1.67E-07 | 8.98E-04 |
| T BODY | G | 9.34E-06 | 9.16E-06 | 6.85E-06 | 6.85E-06 | 7.58E-06 | 6.12E-06 | 4.56E-06 | 7.97E-06 | 6.90E-06 | 6.22E-06 | 6.86E-06 |
| | B | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 | 8.88E-04 |
| | T | 8.98E-04 | 8.97E-04 | 8.95E-04 | 8.95E-04 | 8.96E-04 | 8.94E-04 | 8.93E-04 | 8.96E-04 | 8.95E-04 | 8.95E-04 | 8.95E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-FASCHING, WALTERS AND CORYELL, PHYS. REV. C1, 1126 (1970)
DATE DECAY DATA REVIEWED-MARCH 1971

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 60-NEODYMIUM-147 (TR=1.106E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.54E-02 | 4.57E-06 | 5.89E-05 | 2.67E-05 | 2.40E-05 | 1.02E-05 | 3.43E-04 | 1.28E-04 | 6.45E-05 | 6.45E-05 | 4.16E-05 |
| | B | 9.86E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.00E 00 | 4.57E-06 | 5.89E-05 | 2.67E-05 | 2.40E-05 | 1.02E-05 | 3.43E-04 | 1.28E-04 | 6.45E-05 | 6.45E-05 | 4.16E-05 |
| BLAD WALL | G | 2.73E-06 | 2.30E-03 | 9.17E-06 | 7.64E-05 | 4.97E-05 | 1.62E-04 | 7.91E-06 | 6.31E-06 | 1.40E-06 | 1.40E-06 | 4.86E-05 |
| | B | 0.0 | 3.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.73E-06 | 3.68E-02 | 9.17E-06 | 7.64E-05 | 4.97E-05 | 1.62E-04 | 7.91E-06 | 6.31E-06 | 1.40E-06 | 1.40E-06 | 4.86E-05 |
| GI TRACT S WALL | G | 7.34E-05 | 7.17E-06 | 1.63E-03 | 9.27E-05 | 1.02E-04 | 4.59E-05 | 8.77E-05 | 4.81E-05 | 4.95E-05 | 4.95E-05 | 3.75E-05 |
| | B | 0.0 | 0.0 | 2.76E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.34E-05 | 7.17E-06 | 2.92E-02 | 9.27E-05 | 1.02E-04 | 4.59E-05 | 8.77E-05 | 4.81E-05 | 4.95E-05 | 4.95E-05 | 3.75E-05 |
| SI+CONT | G | 2.14E-05 | 6.91E-05 | 6.80E-05 | 9.58E-04 | 4.88E-04 | 2.65E-04 | 7.08E-05 | 3.98E-05 | 5.73E-06 | 5.73E-06 | 4.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.73E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.14E-05 | 6.91E-05 | 6.80E-05 | 1.82E-02 | 4.88E-04 | 2.65E-04 | 7.08E-05 | 3.98E-05 | 5.73E-06 | 5.73E-06 | 4.14E-05 |
| ULI WALL | G | 2.39E-05 | 5.63E-05 | 9.18E-05 | 7.12E-04 | 1.33E-03 | 1.19E-04 | 7.22E-05 | 6.64E-05 | 7.67E-06 | 7.67E-06 | 4.36E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.14E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.39E-05 | 5.63E-05 | 9.18E-05 | 7.12E-04 | 3.27E-02 | 1.19E-04 | 7.22E-05 | 6.64E-05 | 7.67E-06 | 7.67E-06 | 4.36E-05 |
| LLI WALL | G | 7.00E-06 | 1.97E-04 | 3.07E-05 | 2.05E-04 | 8.42E-05 | 1.60E-03 | 1.93E-05 | 6.57E-06 | 1.67E-06 | 1.67E-06 | 4.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.00E-06 | 1.97E-04 | 3.07E-05 | 2.05E-04 | 8.42E-05 | 5.27E-02 | 1.93E-05 | 6.57E-06 | 1.67E-06 | 1.67E-06 | 4.53E-05 |
| KIDNEYS | G | 3.25E-04 | 7.80E-06 | 8.63E-05 | 8.00E-05 | 7.01E-05 | 2.00E-05 | 2.32E-03 | 1.02E-04 | 2.37E-05 | 2.37E-05 | 3.87E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.45E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.25E-04 | 7.80E-06 | 8.63E-05 | 8.00E-05 | 7.01E-05 | 2.00E-05 | 4.68E-02 | 1.02E-04 | 2.37E-05 | 2.37E-05 | 3.87E-05 |
| LIVER | G | 1.34E-04 | 5.58E-06 | 5.08E-05 | 4.61E-05 | 6.46E-05 | 7.19E-06 | 1.05E-04 | 7.90E-04 | 6.63E-05 | 6.63E-05 | 2.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.67E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-04 | 5.58E-06 | 5.08E-05 | 4.61E-05 | 6.46E-05 | 7.19E-06 | 1.05E-04 | 8.46E-03 | 6.63E-05 | 6.63E-05 | 2.96E-05 |
| LUNGS | G | 6.32E-05 | 9.37E-07 | 4.91E-05 | 6.85E-06 | 7.35E-06 | 2.18E-06 | 2.26E-05 | 6.92E-05 | 4.92E-04 | 4.92E-04 | 3.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-02 | 1.38E-02 | 0.0 |
| | T | 6.32E-05 | 9.37E-07 | 4.91E-05 | 6.85E-06 | 7.35E-06 | 2.18E-06 | 2.26E-05 | 6.92E-05 | 1.43E-02 | 1.43E-02 | 3.76E-05 |
| RESP LYM NODE | G | 6.32E-05 | 9.37E-07 | 4.91E-05 | 6.85E-06 | 7.35E-06 | 2.18E-06 | 2.26E-05 | 6.92E-05 | 4.81E-04 | 4.92E-04 | 3.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36E-02 | 9.20E-01 | 0.0 |
| | T | 6.32E-05 | 9.37E-07 | 4.91E-05 | 6.85E-06 | 7.35E-06 | 2.18E-06 | 2.26E-05 | 6.92E-05 | 1.41E-02 | 9.21E-01 | 3.76E-05 |
| MUSCLE* | G | 4.16E-05 | 4.86E-05 | 3.83E-05 | 4.14E-05 | 3.97E-05 | 4.53E-05 | 3.87E-05 | 2.96E-05 | 3.76E-05 | 3.76E-05 | 4.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.93E-04 |
| | T | 4.16E-05 | 4.86E-05 | 3.83E-05 | 4.14E-05 | 3.97E-05 | 4.53E-05 | 3.87E-05 | 2.96E-05 | 3.76E-05 | 3.76E-05 | 5.35E-04 |
| OVARIES | G | 1.26E-05 | 1.75E-04 | 1.36E-05 | 2.73E-04 | 3.31E-04 | 4.99E-04 | 2.76E-05 | 7.25E-06 | 3.09E-06 | 3.09E-06 | 5.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.26E-05 | 1.75E-04 | 1.36E-05 | 2.73E-04 | 3.31E-04 | 4.99E-04 | 2.76E-05 | 7.25E-06 | 3.09E-06 | 3.09E-06 | 5.47E-05 |

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CCNT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 2.34E-04 | 5.56E-06 | 5.15E-04 | 5.08E-05 | 4.83E-05 | 1.75E-05 | 1.74E-04 | 1.22E-04 | 7.07E-05 | 7.07E-05 | 5.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.34E-04 | 5.56E-06 | 5.15E-04 | 5.08E-05 | 4.83E-05 | 1.75E-05 | 1.74E-04 | 1.22E-04 | 7.07E-05 | 7.07E-05 | 5.02E-05 |
| SKELETON BONE | G | 5.07E-05 | 1.82E-05 | 2.00E-05 | 2.78E-05 | 2.53E-05 | 4.08E-05 | 3.45E-05 | 2.61E-05 | 3.73E-05 | 3.73E-05 | 2.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.07E-05 | 1.82E-05 | 2.00E-05 | 2.78E-05 | 2.53E-05 | 4.08E-05 | 3.45E-05 | 2.61E-05 | 3.73E-05 | 3.73E-05 | 2.69E-05 |
| R MARROW | G | 8.88E-05 | 4.30E-05 | 3.34E-05 | 9.47E-05 | 8.24E-05 | 1.35E-04 | 8.95E-05 | 3.54E-05 | 4.63E-05 | 4.63E-05 | 5.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.88E-05 | 4.30E-05 | 3.34E-05 | 9.47E-05 | 8.24E-05 | 1.35E-04 | 8.95E-05 | 3.54E-05 | 4.63E-05 | 4.63E-05 | 5.12E-05 |
| Y MARROW | G | 4.81E-05 | 1.73E-05 | 2.82E-05 | 3.88E-05 | 3.63E-05 | 5.21E-05 | 4.23E-05 | 3.93E-05 | 3.98E-05 | 3.98E-05 | 4.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.81E-05 | 1.73E-05 | 2.82E-05 | 3.88E-05 | 3.63E-05 | 5.21E-05 | 4.23E-05 | 3.93E-05 | 3.98E-05 | 3.98E-05 | 4.06E-05 |
| T E CL | G | 5.07E-05 | 1.82E-05 | 2.00E-05 | 2.78E-05 | 2.53E-05 | 4.08E-05 | 3.45E-05 | 2.61E-05 | 3.73E-05 | 3.73E-05 | 2.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.07E-05 | 1.82E-05 | 2.00E-05 | 2.78E-05 | 2.53E-05 | 4.08E-05 | 3.45E-05 | 2.61E-05 | 3.73E-05 | 3.73E-05 | 2.69E-05 |
| SKIN | G | 1.60E-05 | 1.57E-05 | 1.38E-05 | 1.21E-05 | 1.26E-05 | 1.38E-05 | 1.60E-05 | 1.43E-05 | 1.60E-05 | 1.60E-05 | 2.32E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.60E-05 | 1.57E-05 | 1.38E-05 | 1.21E-05 | 1.26E-05 | 1.38E-05 | 1.60E-05 | 1.43E-05 | 1.60E-05 | 1.60E-05 | 2.32E-05 |
| SPLEEN | G | 1.75E-04 | 8.14E-06 | 2.70E-04 | 3.80E-05 | 3.26E-05 | 2.19E-05 | 2.45E-04 | 2.34E-05 | 5.98E-05 | 5.98E-05 | 4.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.75E-04 | 8.14E-06 | 2.70E-04 | 3.80E-05 | 3.26E-05 | 2.19E-05 | 2.45E-04 | 2.34E-05 | 5.98E-05 | 5.98E-05 | 4.06E-05 |
| TESTES | G | 1.31E-06 | 1.32E-04 | 8.52E-07 | 7.93E-06 | 9.98E-06 | 4.94E-05 | 2.89E-06 | 2.31E-06 | 4.40E-07 | 4.40E-07 | 3.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.31E-06 | 1.32E-04 | 8.52E-07 | 7.93E-06 | 9.98E-06 | 4.94E-05 | 2.89E-06 | 2.31E-06 | 4.40E-07 | 4.40E-07 | 3.21E-05 |
| THYMUS | G | 1.77E-05 | 5.71E-07 | 6.89E-06 | 2.68E-06 | 3.02E-06 | 1.08E-06 | 7.43E-06 | 2.52E-05 | 1.05E-04 | 1.05E-04 | 5.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.77E-05 | 5.71E-07 | 6.89E-06 | 2.68E-06 | 3.02E-06 | 1.08E-06 | 7.43E-06 | 2.52E-05 | 1.05E-04 | 1.05E-04 | 5.12E-05 |
| THYROID | G | 3.87E-06 | 1.67E-07 | 2.92E-06 | 7.22E-07 | 7.75E-07 | 3.23E-07 | 1.78E-06 | 3.72E-06 | 2.64E-05 | 2.64E-05 | 3.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.87E-06 | 1.67E-07 | 2.92E-06 | 7.22E-07 | 7.75E-07 | 3.23E-07 | 1.78E-06 | 3.72E-06 | 2.64E-05 | 2.64E-05 | 3.90E-05 |
| UTERUS | G | 1.09E-05 | 4.41E-04 | 1.95E-05 | 2.55E-04 | 1.27E-04 | 1.63E-04 | 1.97E-05 | 9.71E-06 | 2.10E-06 | 2.10E-06 | 5.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.09E-05 | 4.41E-04 | 1.95E-05 | 2.55E-04 | 1.27E-04 | 1.63E-04 | 1.97E-05 | 9.71E-06 | 2.10E-06 | 2.10E-06 | 5.80E-05 |
| T BODY | G | 4.82E-05 | 5.30E-05 | 5.07E-05 | 5.59E-05 | 5.46E-05 | 5.46E-05 | 4.81E-05 | 4.89E-05 | 4.31E-05 | 4.31E-05 | 3.93E-05 |
| | B | 1.97E-04 | 2.22E-05 | 5.91E-05 | 1.58E-04 | 9.41E-05 | 1.17E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 |
| | T | 2.45E-04 | 7.52E-05 | 1.10E-04 | 2.14E-04 | 1.49E-04 | 1.71E-04 | 2.45E-04 | 2.46E-04 | 2.40E-04 | 2.40E-04 | 2.36E-04 |

CONTINUED NEXT PAGE

60-NEODYMIUM-147 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.18E-05 | 2.34E-04 | 3.82E-05 | 3.82E-05 | 4.91E-05 | 2.63E-05 | 1.67E-05 | 1.70E-04 | 1.31E-06 | 3.87E-06 | 5.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.18E-05 | 2.34E-04 | 3.82E-05 | 3.82E-05 | 4.91E-05 | 2.63E-05 | 1.67E-05 | 1.70E-04 | 1.31E-06 | 3.87E-06 | 2.51E-04 |
| BLAD WALL | G | 1.85E-04 | 3.93E-06 | 1.42E-05 | 1.42E-05 | 2.01E-05 | 7.37E-06 | 1.49E-05 | 3.10E-06 | 1.32E-04 | 1.68E-07 | 5.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.85E-04 | 3.93E-06 | 1.42E-05 | 1.42E-05 | 2.01E-05 | 7.37E-06 | 1.49E-05 | 3.10E-06 | 1.32E-04 | 1.68E-07 | 2.48E-04 |
| GI TRACT S WALL | G | 1.96E-05 | 5.14E-04 | 1.40E-05 | 1.40E-05 | 2.38E-05 | 1.91E-05 | 1.59E-05 | 2.75E-04 | 2.01E-06 | 2.42E-06 | 4.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.96E-05 | 5.14E-04 | 1.40E-05 | 1.40E-05 | 2.38E-05 | 1.91E-05 | 1.59E-05 | 2.75E-04 | 2.01E-06 | 2.42E-06 | 2.45E-04 |
| SI+CONT | G | 3.46E-04 | 4.33E-05 | 1.97E-05 | 1.97E-05 | 6.71E-05 | 2.65E-05 | 1.28E-05 | 3.40E-05 | 1.10E-05 | 2.01E-07 | 5.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 3.46E-04 | 4.33E-05 | 1.97E-05 | 1.97E-05 | 6.71E-05 | 2.65E-05 | 1.28E-05 | 3.40E-05 | 1.10E-05 | 2.01E-07 | 2.52E-04 |
| ULI WALL | G | 3.25E-04 | 5.30E-05 | 1.73E-05 | 1.73E-05 | 5.26E-05 | 2.18E-05 | 1.37E-05 | 3.54E-05 | 7.32E-06 | 2.72E-07 | 5.43E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 3.25E-04 | 5.30E-05 | 1.73E-05 | 1.73E-05 | 5.26E-05 | 2.18E-05 | 1.37E-05 | 3.54E-05 | 7.32E-06 | 2.72E-07 | 2.51E-04 |
| LLI WALL | G | 4.29E-04 | 1.30E-05 | 2.52E-05 | 2.52E-05 | 7.99E-05 | 2.22E-05 | 1.38E-05 | 1.59E-05 | 7.16E-05 | 2.69E-07 | 5.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 4.29E-04 | 1.30E-05 | 2.52E-05 | 2.52E-05 | 7.99E-05 | 2.22E-05 | 1.38E-05 | 1.59E-05 | 7.16E-05 | 2.69E-07 | 2.51E-04 |
| KIDNEYS | G | 2.51E-05 | 1.69E-04 | 2.22E-05 | 2.22E-05 | 5.82E-05 | 2.89E-05 | 1.83E-05 | 2.51E-04 | 1.89E-06 | 1.06E-06 | 4.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 2.51E-05 | 1.69E-04 | 2.22E-05 | 2.22E-05 | 5.82E-05 | 2.89E-05 | 1.83E-05 | 2.51E-04 | 1.89E-06 | 1.06E-06 | 2.45E-04 |
| LIVER | G | 1.37E-05 | 1.12E-04 | 1.72E-05 | 1.72E-05 | 2.40E-05 | 2.69E-05 | 1.60E-05 | 2.47E-05 | 1.06E-06 | 3.18E-06 | 4.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.37E-05 | 1.12E-04 | 1.72E-05 | 1.72E-05 | 2.40E-05 | 2.69E-05 | 1.60E-05 | 2.47E-05 | 1.06E-06 | 3.18E-06 | 2.46E-04 |
| LUNGS | G | 2.21E-06 | 6.47E-05 | 2.52E-05 | 2.52E-05 | 3.04E-05 | 2.63E-05 | 1.71E-05 | 6.13E-05 | 2.75E-07 | 2.53E-05 | 4.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 2.21E-06 | 6.47E-05 | 2.52E-05 | 2.52E-05 | 3.04E-05 | 2.63E-05 | 1.71E-05 | 6.13E-05 | 2.75E-07 | 2.53E-05 | 2.41E-04 |
| RESP LYM NODE | G | 2.21E-06 | 6.47E-05 | 2.52E-05 | 2.52E-05 | 3.04E-05 | 2.63E-05 | 1.71E-05 | 6.13E-05 | 2.75E-07 | 2.53E-05 | 4.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 2.21E-06 | 6.47E-05 | 2.52E-05 | 2.52E-05 | 3.04E-05 | 2.63E-05 | 1.71E-05 | 6.13E-05 | 2.75E-07 | 2.53E-05 | 2.41E-04 |
| MUSCLE* | G | 5.47E-05 | 5.02E-05 | 2.69E-05 | 2.69E-05 | 3.22E-05 | 2.51E-05 | 2.32E-05 | 4.06E-05 | 3.21E-05 | 3.90E-05 | 3.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 5.47E-05 | 5.02E-05 | 2.69E-05 | 2.69E-05 | 3.22E-05 | 2.51E-05 | 2.32E-05 | 4.06E-05 | 3.21E-05 | 3.90E-05 | 2.36E-04 |
| OVARIES | G | 2.57E-02 | 9.96E-06 | 2.49E-05 | 2.49E-05 | 8.89E-05 | 2.59E-05 | 8.72E-06 | 1.90E-05 | 5.25E-46 | 3.19E-07 | 4.80E-05 |
| | B | 1.25E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.28E 00 | 9.96E-06 | 2.49E-05 | 2.49E-05 | 8.89E-05 | 2.59E-05 | 8.72E-06 | 1.90E-05 | 5.25E-46 | 3.19E-07 | 2.45E-04 |

60-NEODYMIUM-147 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.26E-05 | 6.89E-03 | 2.17E-05 | 2.17E-05 | 4.15E-05 | 2.95E-05 | 1.29E-05 | 5.79E-04 | 9.79E-07 | 1.48E-06 | 5.08E-05 |
| | B | 0.0 | 1.38E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.26E-05 | 1.45E-01 | 2.17E-05 | 2.17E-05 | 4.15E-05 | 2.95E-05 | 1.29E-05 | 5.79E-04 | 9.79E-07 | 1.48E-06 | 2.48E-04 |
| SKELETON BONE | G | 3.50E-05 | 3.19E-05 | 1.41E-04 | 1.41E-04 | 9.21E-05 | 1.07E-04 | 2.86E-05 | 2.71E-05 | 1.93E-05 | 2.35E-05 | 5.54E-05 |
| | B | 0.0 | 0.0 | 2.76E-03 | 1.88E-03 | 5.85E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 3.50E-05 | 3.19E-05 | 2.90E-03 | 2.02E-03 | 6.77E-04 | 1.07E-04 | 2.86E-05 | 2.71E-05 | 1.93E-05 | 2.35E-05 | 2.53E-04 |
| R MARROW | G | 1.27E-04 | 6.02E-05 | 1.27E-04 | 1.27E-04 | 3.23E-04 | 1.09E-04 | 2.66E-05 | 3.78E-05 | 1.50E-05 | 2.53E-05 | 6.32E-05 |
| | B | 0.0 | 0.0 | 5.21E-05 | 2.93E-03 | 7.11E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.27E-04 | 6.02E-05 | 1.79E-04 | 3.05E-03 | 7.43E-03 | 1.09E-04 | 2.66E-05 | 3.78E-05 | 1.50E-05 | 2.53E-05 | 2.60E-04 |
| Y MARROW | G | 4.78E-05 | 3.68E-05 | 1.24E-04 | 1.24E-04 | 1.19E-04 | 1.95E-04 | 3.13E-05 | 4.13E-05 | 7.48E-06 | 1.22E-05 | 5.30E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.20E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 4.78E-05 | 3.68E-05 | 1.24E-04 | 1.24E-04 | 1.19E-04 | 9.40E-03 | 3.13E-05 | 4.13E-05 | 7.48E-06 | 1.22E-05 | 2.50E-04 |
| T E CL | G | 3.50E-05 | 3.19E-05 | 1.40E-04 | 1.40E-04 | 1.32E-04 | 1.22E-04 | 2.86E-05 | 2.71E-05 | 1.93E-05 | 2.35E-05 | 5.56E-05 |
| | B | 0.0 | 0.0 | 1.69E-03 | 3.07E-03 | 2.56E-03 | 2.30E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 3.50E-05 | 3.19E-05 | 1.83E-03 | 3.21E-03 | 2.69E-03 | 2.42E-03 | 2.86E-05 | 2.71E-05 | 1.93E-05 | 2.35E-05 | 2.53E-04 |
| SKIN | G | 1.18E-05 | 1.15E-05 | 2.00E-05 | 2.00E-05 | 1.74E-05 | 2.27E-05 | 6.26E-05 | 1.46E-05 | 4.39E-05 | 2.26E-05 | 2.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.31E-03 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.18E-05 | 1.15E-05 | 2.00E-05 | 2.00E-05 | 1.74E-05 | 2.27E-05 | 5.37E-03 | 1.46E-05 | 4.39E-05 | 2.26E-05 | 2.20E-04 |
| SPLEEN | G | 1.43E-05 | 5.75E-04 | 1.92E-05 | 1.92E-05 | 2.11E-05 | 2.56E-05 | 1.60E-05 | 4.16E-03 | 2.09E-06 | 2.77E-06 | 4.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.67E-02 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.43E-05 | 5.75E-04 | 1.92E-05 | 1.92E-05 | 2.11E-05 | 2.56E-05 | 1.60E-05 | 8.08E-02 | 2.09E-06 | 2.77E-06 | 2.46E-04 |
| TESTES | G | 5.25E-46 | 1.37E-06 | 1.44E-05 | 1.44E-05 | 1.04E-05 | 2.47E-05 | 2.57E-05 | 1.79E-06 | 1.15E-02 | 5.97E-08 | 4.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.94E-01 | 0.0 | 1.97E-04 |
| | T | 5.25E-46 | 1.37E-06 | 1.44E-05 | 1.44E-05 | 1.04E-05 | 2.47E-05 | 2.57E-05 | 1.79E-06 | 4.06E-01 | 5.97E-08 | 2.41E-04 |
| THYMUS | G | 1.12E-06 | 1.27E-05 | 1.68E-05 | 1.68E-05 | 1.49E-05 | 1.29E-05 | 1.91E-05 | 9.53E-06 | 1.95E-07 | 1.13E-04 | 4.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.12E-06 | 1.27E-05 | 1.68E-05 | 1.68E-05 | 1.49E-05 | 1.29E-05 | 1.91E-05 | 9.53E-06 | 1.95E-07 | 1.13E-04 | 2.42E-04 |
| THYROID | G | 3.19E-07 | 3.46E-06 | 2.40E-05 | 2.40E-05 | 1.99E-05 | 1.84E-05 | 2.15E-05 | 2.85E-06 | 5.97E-08 | 1.60E-02 | 3.72E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.90E-01 | 1.97E-04 |
| | T | 3.19E-07 | 3.46E-06 | 2.40E-05 | 2.40E-05 | 1.99E-05 | 1.84E-05 | 2.15E-05 | 2.85E-06 | 5.97E-08 | 7.06E-01 | 2.34E-04 |
| UTERUS | G | 5.49E-04 | 1.35E-05 | 1.43E-05 | 1.43E-05 | 4.91E-05 | 1.67E-05 | 1.30E-05 | 1.03E-05 | 5.25E-46 | 3.02E-07 | 5.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 5.49E-04 | 1.35E-05 | 1.43E-05 | 1.43E-05 | 4.91E-05 | 1.67E-05 | 1.30E-05 | 1.03E-05 | 5.25E-46 | 3.02E-07 | 2.50E-04 |
| T BODY | G | 5.73E-05 | 5.63E-05 | 4.32E-05 | 4.32E-05 | 4.71E-05 | 3.88E-05 | 2.47E-05 | 4.87E-05 | 3.94E-05 | 3.74E-05 | 4.16E-05 |
| | B | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 |
| | T | 2.55E-04 | 2.53E-04 | 2.40E-04 | 2.40E-04 | 2.44E-04 | 2.36E-04 | 2.22E-04 | 2.46E-04 | 2.37E-04 | 2.35E-04 | 2.39E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-EWBANK, W. B., MARTIN, M. J., RAMAN, S., NUCLEAR DATA SHEETS FOR A=147, NUCLEAR DATA B2-4-35-AND ORIGINAL PAPERS REFERENCED THERE
DATE DECAY DATA REVIEWED-JUNE 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 60-NEODYMIUM-149 (TR=1.730E 00 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.15E-02 | 1.37E-05 | 1.55E-04 | 8.74E-05 | 6.50E-05 | 3.03E-05 | 7.72E-04 | 3.29E-04 | 1.64E-04 | 1.64E-04 | 1.01E-04 |
| | B | 1.80E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.83E 00 | 1.37E-05 | 1.55E-04 | 8.74E-05 | 6.50E-05 | 3.03E-05 | 7.72E-04 | 3.29E-04 | 1.64E-04 | 1.64E-04 | 1.01E-04 |
| BLAD WALL | G | 8.67E-06 | 5.01E-03 | 2.28E-05 | 1.91E-04 | 1.35E-04 | 4.11E-04 | 2.30E-05 | 1.52E-05 | 4.10E-06 | 4.10E-06 | 1.20E-04 |
| | B | 0.0 | 6.28E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.67E-06 | 6.79E-02 | 2.28E-05 | 1.91E-04 | 1.35E-04 | 4.11E-04 | 2.30E-05 | 1.52E-05 | 4.10E-06 | 4.10E-06 | 1.20E-04 |
| GI TRACT S WALL | G | 1.94E-04 | 2.12E-05 | 3.58E-03 | 2.38E-04 | 2.48E-04 | 1.17E-04 | 2.24E-04 | 1.27E-04 | 1.25E-04 | 1.25E-04 | 9.37E-05 |
| | B | 0.0 | 0.0 | 5.03E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.94E-04 | 2.12E-05 | 5.39E-02 | 2.38E-04 | 2.48E-04 | 1.17E-04 | 2.24E-04 | 1.27E-04 | 1.25E-04 | 1.25E-04 | 9.37E-05 |
| SI+CONT | G | 5.91E-05 | 1.83E-04 | 1.74E-04 | 2.13E-03 | 1.13E-03 | 6.26E-04 | 1.87E-04 | 1.08E-04 | 1.58E-05 | 1.58E-05 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 3.14E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.91E-05 | 1.83E-04 | 1.74E-04 | 3.36E-02 | 1.13E-03 | 6.26E-04 | 1.87E-04 | 1.08E-04 | 1.58E-05 | 1.58E-05 | 1.04E-04 |
| ULI WALL | G | 6.49E-05 | 1.51E-04 | 2.29E-04 | 1.60E-03 | 2.95E-03 | 2.85E-04 | 1.90E-04 | 1.66E-04 | 2.05E-05 | 2.05E-05 | 1.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 5.71E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.49E-05 | 1.51E-04 | 2.29E-04 | 1.60E-03 | 6.01E-02 | 2.85E-04 | 1.90E-04 | 1.66E-04 | 2.05E-05 | 2.05E-05 | 1.09E-04 |
| LLI WALL | G | 1.83E-05 | 4.77E-04 | 8.48E-05 | 4.78E-04 | 2.06E-04 | 3.51E-03 | 5.56E-05 | 1.80E-05 | 5.93E-06 | 5.93E-06 | 1.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.31E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.83E-05 | 4.77E-04 | 8.48E-05 | 4.78E-04 | 2.06E-04 | 9.66E-02 | 5.56E-05 | 1.80E-05 | 5.93E-06 | 5.93E-06 | 1.14E-04 |
| KIDNEYS | G | 7.80E-04 | 2.16E-05 | 2.26E-04 | 2.06E-04 | 1.83E-04 | 5.88E-05 | 4.96E-03 | 2.55E-04 | 6.29E-05 | 6.29E-05 | 9.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.11E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.80E-04 | 2.16E-05 | 2.26E-04 | 2.06E-04 | 1.83E-04 | 5.88E-05 | 8.60E-02 | 2.55E-04 | 6.29E-05 | 6.29E-05 | 9.53E-05 |
| LIVER | G | 3.30E-04 | 1.60E-05 | 1.32E-04 | 1.22E-04 | 1.69E-04 | 2.07E-05 | 2.61E-04 | 1.76E-03 | 1.64E-04 | 1.64E-04 | 7.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-02 | 0.0 | 0.0 | 0.0 |
| | T | 3.30E-04 | 1.60E-05 | 1.32E-04 | 1.22E-04 | 1.69E-04 | 2.07E-05 | 2.61E-04 | 1.57E-02 | 1.64E-04 | 1.64E-04 | 7.37E-05 |
| LUNGS | G | 1.62E-04 | 2.69E-06 | 1.19E-04 | 1.90E-05 | 2.06E-05 | 6.57E-06 | 5.95E-05 | 1.67E-04 | 1.03E-03 | 1.03E-03 | 8.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.51E-02 | 2.51E-02 | 0.0 |
| | T | 1.62E-04 | 2.69E-06 | 1.19E-04 | 1.90E-05 | 2.06E-05 | 6.57E-06 | 5.95E-05 | 1.67E-04 | 2.62E-02 | 2.62E-02 | 8.98E-05 |
| RESP LYM NODE | G | 1.62E-04 | 2.69E-06 | 1.19E-04 | 1.90E-05 | 2.06E-05 | 6.57E-06 | 5.95E-05 | 1.67E-04 | 1.02E-03 | 1.03E-03 | 8.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.50E-02 | 1.68E 00 | 0.0 |
| | T | 1.62E-04 | 2.69E-06 | 1.19E-04 | 1.90E-05 | 2.06E-05 | 6.57E-06 | 5.95E-05 | 1.67E-04 | 2.60E-02 | 1.68E 00 | 8.98E-05 |
| MUSCLE* | G | 1.01E-04 | 1.20E-04 | 9.46E-05 | 1.04E-04 | 9.91E-05 | 1.14E-04 | 9.53E-05 | 7.37E-05 | 8.98E-05 | 8.98E-05 | 9.99E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.98E-04 |
| | T | 1.01E-04 | 1.20E-04 | 9.46E-05 | 1.04E-04 | 9.91E-05 | 1.14E-04 | 9.53E-05 | 7.37E-05 | 8.98E-05 | 8.98E-05 | 9.98E-04 |
| OVARIES | G | 3.62E-05 | 4.54E-04 | 3.84E-05 | 6.68E-04 | 7.76E-04 | 1.22E-03 | 8.06E-05 | 2.71E-05 | 8.94E-06 | 8.94E-06 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.62E-05 | 4.54E-04 | 3.84E-05 | 6.68E-04 | 7.76E-04 | 1.22E-03 | 8.06E-05 | 2.71E-05 | 8.94E-06 | 8.94E-06 | 1.34E-04 |

60-NEODYMIUM-149 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 5.77E-04 | 1.80E-05 | 1.21E-03 | 1.35E-04 | 1.40E-04 | 4.74E-05 | 4.37E-04 | 2.88E-04 | 1.74E-04 | 1.74E-04 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.77E-04 | 1.80E-05 | 1.21E-03 | 1.35E-04 | 1.40E-04 | 4.74E-05 | 4.37E-04 | 2.88E-04 | 1.74E-04 | 1.74E-04 | 1.21E-04 |
| SKELETON BONE | G | 1.08E-04 | 4.61E-05 | 4.68E-05 | 6.35E-05 | 5.75E-05 | 8.50E-05 | 7.63E-05 | 5.83E-05 | 7.86E-05 | 7.86E-05 | 7.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.08E-04 | 4.61E-05 | 4.68E-05 | 6.35E-05 | 5.75E-05 | 8.50E-05 | 7.63E-05 | 5.83E-05 | 7.86E-05 | 7.86E-05 | 7.11E-05 |
| R MARROW | G | 1.93E-04 | 1.04E-04 | 8.13E-05 | 2.08E-04 | 1.80E-04 | 2.64E-04 | 1.97E-04 | 8.33E-05 | 9.93E-05 | 9.93E-05 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.93E-04 | 1.04E-04 | 8.13E-05 | 2.08E-04 | 1.80E-04 | 2.64E-04 | 1.97E-04 | 8.33E-05 | 9.93E-05 | 9.93E-05 | 1.08E-04 |
| Y MARROW | G | 1.03E-04 | 4.28E-05 | 6.53E-05 | 8.84E-05 | 8.21E-05 | 1.06E-04 | 9.41E-05 | 8.64E-05 | 8.24E-05 | 8.24E-05 | 8.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-04 | 4.28E-05 | 6.53E-05 | 8.84E-05 | 8.21E-05 | 1.06E-04 | 9.41E-05 | 8.64E-05 | 8.24E-05 | 8.24E-05 | 8.49E-05 |
| T E CL | G | 1.08E-04 | 4.61E-05 | 4.68E-05 | 6.35E-05 | 5.75E-05 | 8.50E-05 | 7.63E-05 | 5.83E-05 | 7.86E-05 | 7.86E-05 | 7.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.08E-04 | 4.61E-05 | 4.68E-05 | 6.35E-05 | 5.75E-05 | 8.50E-05 | 7.63E-05 | 5.83E-05 | 7.86E-05 | 7.86E-05 | 7.11E-05 |
| SKIN | G | 4.20E-05 | 4.07E-05 | 3.54E-05 | 3.27E-05 | 3.32E-05 | 3.70E-05 | 4.12E-05 | 3.75E-05 | 4.19E-05 | 4.19E-05 | 5.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.20E-05 | 4.07E-05 | 3.54E-05 | 3.27E-05 | 3.32E-05 | 3.70E-05 | 4.12E-05 | 3.75E-05 | 4.19E-05 | 4.19E-05 | 5.68E-05 |
| SPLEEN | G | 4.36E-04 | 1.64E-05 | 6.60E-04 | 1.03E-04 | 8.87E-05 | 5.76E-05 | 5.82E-04 | 6.43E-05 | 1.49E-04 | 1.49E-04 | 9.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.36E-04 | 1.64E-05 | 6.60E-04 | 1.03E-04 | 8.87E-05 | 5.76E-05 | 5.82E-04 | 6.43E-05 | 1.49E-04 | 1.49E-04 | 9.89E-05 |
| TESTES | G | 3.86E-06 | 3.20E-04 | 3.97E-06 | 2.44E-05 | 2.70E-05 | 1.30E-04 | 8.64E-06 | 7.25E-06 | 1.28E-06 | 1.28E-06 | 8.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.86E-06 | 3.20E-04 | 3.97E-06 | 2.44E-05 | 2.70E-05 | 1.30E-04 | 8.64E-06 | 7.25E-06 | 1.28E-06 | 1.28E-06 | 8.06E-05 |
| THYMUS | G | 4.13E-05 | 1.67E-06 | 2.08E-05 | 8.00E-06 | 8.89E-06 | 3.19E-06 | 1.76E-05 | 6.01E-05 | 2.65E-04 | 2.65E-04 | 1.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.13E-05 | 1.67E-06 | 2.08E-05 | 8.00E-06 | 8.89E-06 | 3.19E-06 | 1.76E-05 | 6.01E-05 | 2.65E-04 | 2.65E-04 | 1.46E-04 |
| THYROID | G | 1.16E-05 | 4.83E-07 | 8.78E-06 | 2.12E-06 | 2.28E-06 | 9.38E-07 | 5.28E-06 | 1.28E-05 | 6.83E-05 | 6.83E-05 | 9.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.16E-05 | 4.83E-07 | 8.78E-06 | 2.12E-06 | 2.28E-06 | 9.38E-07 | 5.28E-06 | 1.28E-05 | 6.83E-05 | 6.83E-05 | 9.17E-05 |
| UTERUS | G | 7.90E-05 | 1.04E-03 | 5.63E-05 | 6.12E-04 | 3.16E-04 | 4.25E-04 | 6.18E-05 | 2.71E-05 | 6.63E-06 | 6.63E-06 | 1.48E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.90E-05 | 1.04E-03 | 5.63E-05 | 6.12E-04 | 3.16E-04 | 4.25E-04 | 6.18E-05 | 2.71E-05 | 6.63E-06 | 6.63E-06 | 1.48E-04 |
| T BODY | G | 1.14E-04 | 1.27E-04 | 1.20E-04 | 1.34E-04 | 1.30E-04 | 1.30E-04 | 1.15E-04 | 1.16E-04 | 9.97E-05 | 9.97E-05 | 9.49E-05 |
| | B | 3.59E-04 | 4.04E-05 | 1.08E-04 | 2.87E-04 | 1.71E-04 | 2.13E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 |
| | T | 4.73E-04 | 1.67E-04 | 2.28E-04 | 4.21E-04 | 3.02E-04 | 3.43E-04 | 4.74E-04 | 4.75E-04 | 4.59E-04 | 4.59E-04 | 4.54E-04 |

CONTINUED NEXT PAGE

60-NEODYMIUM-149 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 3.13E-05 | 5.61E-04 | 9.85E-05 | 9.85E-05 | 1.53E-04 | 7.81E-05 | 4.99E-05 | 4.29E-04 | 3.86E-06 | 1.16E-05 | 1.35E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 3.13E-05 | 5.61E-04 | 9.85E-05 | 9.85E-05 | 1.53E-04 | 7.81E-05 | 4.99E-05 | 4.29E-04 | 3.86E-06 | 1.16E-05 | 4.94E-04 |
| BLAD WALL | G | 4.61E-04 | 1.11E-05 | 3.62E-05 | 3.62E-05 | 5.35E-05 | 2.17E-05 | 3.97E-05 | 1.12E-05 | 3.32E-04 | 4.87E-07 | 1.22E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 4.61E-04 | 1.11E-05 | 3.62E-05 | 3.62E-05 | 5.35E-05 | 2.17E-05 | 3.97E-05 | 1.12E-05 | 3.32E-04 | 4.87E-07 | 4.81E-04 |
| GI TRACT S WALL | G | 5.34E-05 | 1.21E-03 | 3.80E-05 | 3.80E-05 | 6.94E-05 | 4.98E-05 | 4.03E-05 | 6.55E-04 | 5.06E-06 | 5.78E-06 | 1.21E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 5.34E-05 | 1.21E-03 | 3.80E-05 | 3.80E-05 | 6.94E-05 | 4.98E-05 | 4.03E-05 | 6.55E-04 | 5.06E-06 | 5.78E-06 | 4.80E-04 |
| SI+CONT | G | 8.06E-04 | 1.19E-04 | 5.20E-05 | 5.20E-05 | 1.74E-04 | 7.00E-05 | 3.44E-05 | 9.26E-05 | 3.07E-05 | 9.88E-07 | 1.34E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 8.06E-04 | 1.19E-04 | 5.20E-05 | 5.20E-05 | 1.74E-04 | 7.00E-05 | 3.44E-05 | 9.26E-05 | 3.07E-05 | 9.88E-07 | 4.93E-04 |
| ULI WALL | G | 7.60E-04 | 1.44E-04 | 4.80E-05 | 4.80E-05 | 1.37E-04 | 6.01E-05 | 3.53E-05 | 8.88E-05 | 2.27E-05 | 1.01E-06 | 1.27E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 7.60E-04 | 1.44E-04 | 4.80E-05 | 4.80E-05 | 1.37E-04 | 6.01E-05 | 3.53E-05 | 8.88E-05 | 2.27E-05 | 1.01E-06 | 4.86E-04 |
| LLI WALL | G | 9.79E-04 | 3.68E-05 | 6.78E-05 | 6.78E-05 | 1.99E-04 | 5.82E-05 | 3.67E-05 | 4.31E-05 | 1.83E-04 | 7.84E-07 | 1.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 9.79E-04 | 3.68E-05 | 6.78E-05 | 6.78E-05 | 1.99E-04 | 5.82E-05 | 3.67E-05 | 4.31E-05 | 1.83E-04 | 7.84E-07 | 4.84E-04 |
| KIDNEYS | G | 6.82E-05 | 4.23E-04 | 6.18E-05 | 6.18E-05 | 1.53E-04 | 7.59E-05 | 4.64E-05 | 5.92E-04 | 5.46E-06 | 3.49E-06 | 1.17E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 6.82E-05 | 4.23E-04 | 6.18E-05 | 6.18E-05 | 1.53E-04 | 7.59E-05 | 4.64E-05 | 5.92E-04 | 5.46E-06 | 3.49E-06 | 4.76E-04 |
| LIVER | G | 3.92E-05 | 2.84E-04 | 4.57E-05 | 4.57E-05 | 6.54E-05 | 6.94E-05 | 4.12E-05 | 6.84E-05 | 3.40E-06 | 9.20E-06 | 1.15E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 3.92E-05 | 2.84E-04 | 4.57E-05 | 4.57E-05 | 6.54E-05 | 6.94E-05 | 4.12E-05 | 6.84E-05 | 3.40E-06 | 9.20E-06 | 4.74E-04 |
| LUNGS | G | 6.30E-06 | 1.63E-04 | 6.54E-05 | 6.54E-05 | 8.03E-05 | 6.66E-05 | 4.41E-05 | 1.49E-04 | 9.66E-07 | 6.70E-05 | 1.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 6.30E-06 | 1.63E-04 | 6.54E-05 | 6.54E-05 | 8.03E-05 | 6.66E-05 | 4.41E-05 | 1.49E-04 | 9.66E-07 | 6.70E-05 | 4.60E-04 |
| RESP LYM NODE | G | 6.30E-06 | 1.63E-04 | 6.54E-05 | 6.54E-05 | 8.03E-05 | 6.66E-05 | 4.41E-05 | 1.49E-04 | 9.66E-07 | 6.70E-05 | 1.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 6.30E-06 | 1.63E-04 | 6.54E-05 | 6.54E-05 | 8.03E-05 | 6.66E-05 | 4.41E-05 | 1.49E-04 | 9.66E-07 | 6.70E-05 | 4.60E-04 |
| MUSCLE* | G | 1.34E-04 | 1.21E-04 | 7.11E-05 | 7.11E-05 | 8.46E-05 | 6.50E-05 | 5.68E-05 | 9.89E-05 | 8.06E-05 | 9.17E-05 | 9.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 1.34E-04 | 1.21E-04 | 7.11E-05 | 7.11E-05 | 8.46E-05 | 6.50E-05 | 5.68E-05 | 9.89E-05 | 8.06E-05 | 9.17E-05 | 4.54E-04 |
| OVARIES | G | 5.28E-02 | 2.83E-05 | 5.87E-05 | 5.87E-05 | 1.97E-04 | 7.61E-05 | 2.79E-05 | 4.82E-05 | 3.95E-46 | 9.25E-07 | 1.18E-04 |
| | B | 2.29E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 2.34E 00 | 2.83E-05 | 5.87E-05 | 5.87E-05 | 1.97E-04 | 7.61E-05 | 2.79E-05 | 4.82E-05 | 3.95E-46 | 9.25E-07 | 4.77E-04 |

60-NEODYMIUM-149 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 3.66E-05 | 1.45E-02 | 6.47E-05 | 6.47E-05 | 1.06E-04 | 8.29E-05 | 3.66E-05 | 1.31E-03 | 4.10E-06 | 5.98E-06 | 1.29E-04 |
| | B | 0.0 | 2.51E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 3.66E-05 | 2.66E-01 | 6.47E-05 | 6.47E-05 | 1.06E-04 | 8.29E-05 | 3.66E-05 | 1.31E-03 | 4.10E-06 | 5.98E-06 | 4.88E-04 |
| SKELETON BONE | G | 7.63E-05 | 7.28E-05 | 2.69E-04 | 2.69E-04 | 1.78E-04 | 1.99E-04 | 6.11E-05 | 6.04E-05 | 4.89E-05 | 5.55E-05 | 1.14E-04 |
| | B | 0.0 | 0.0 | 5.03E-03 | 3.10E-03 | 1.28E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 7.63E-05 | 7.28E-05 | 5.30E-03 | 3.37E-03 | 1.46E-03 | 1.99E-04 | 6.11E-05 | 6.04E-05 | 4.89E-05 | 5.55E-05 | 4.73E-04 |
| R MARROW | G | 2.64E-04 | 1.38E-04 | 2.42E-04 | 2.42E-04 | 5.88E-04 | 2.05E-04 | 5.75E-05 | 8.94E-05 | 3.91E-05 | 6.07E-05 | 1.29E-04 |
| | B | 0.0 | 0.0 | 2.02E-04 | 6.42E-03 | 1.19E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 2.64E-04 | 1.38E-04 | 4.44E-04 | 6.66E-03 | 1.25E-02 | 2.05E-04 | 5.75E-05 | 8.94E-05 | 3.91E-05 | 6.07E-05 | 4.88E-04 |
| Y MARROW | G | 1.02E-04 | 8.49E-05 | 2.33E-04 | 2.33E-04 | 2.23E-04 | 3.47E-04 | 6.49E-05 | 9.03E-05 | 1.97E-05 | 2.91E-05 | 1.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.68E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 1.02E-04 | 8.49E-05 | 2.33E-04 | 2.33E-04 | 2.23E-04 | 1.71E-02 | 6.49E-05 | 9.03E-05 | 1.97E-05 | 2.91E-05 | 4.66E-04 |
| T E CL | G | 7.63E-05 | 7.28E-05 | 2.68E-04 | 2.68E-04 | 2.45E-04 | 2.23E-04 | 6.11E-05 | 6.04E-05 | 4.89E-05 | 5.55E-05 | 1.14E-04 |
| | B | 0.0 | 0.0 | 3.18E-03 | 5.31E-03 | 4.84E-03 | 4.19E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 7.63E-05 | 7.28E-05 | 3.44E-03 | 5.58E-03 | 5.08E-03 | 4.41E-03 | 6.11E-05 | 6.04E-05 | 4.89E-05 | 5.55E-05 | 4.73E-04 |
| SKIN | G | 3.23E-05 | 3.13E-05 | 5.27E-05 | 5.27E-05 | 4.67E-05 | 5.87E-05 | 1.33E-04 | 3.77E-05 | 1.03E-04 | 5.64E-05 | 5.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.67E-03 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 3.23E-05 | 3.13E-05 | 5.27E-05 | 5.27E-05 | 4.67E-05 | 5.87E-05 | 9.80E-03 | 3.77E-05 | 1.03E-04 | 5.64E-05 | 4.16E-04 |
| SPLEEN | G | 3.95E-05 | 1.31E-03 | 4.91E-05 | 4.91E-05 | 5.91E-05 | 6.91E-05 | 4.17E-05 | 8.91E-03 | 4.44E-06 | 8.61E-06 | 1.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-01 | 0.0 | 0.0 | 3.59E-04 |
| | T | 3.95E-05 | 1.31E-03 | 4.91E-05 | 4.91E-05 | 5.91E-05 | 6.91E-05 | 4.17E-05 | 1.49E-01 | 4.44E-06 | 8.61E-06 | 4.78E-04 |
| TESTES | G | 3.95E-46 | 4.86E-06 | 4.04E-05 | 4.04E-05 | 2.50E-05 | 6.74E-05 | 6.50E-05 | 5.33E-06 | 2.44E-02 | 1.75E-07 | 9.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.18E-01 | 0.0 | 3.59E-04 |
| | T | 3.95E-46 | 4.86E-06 | 4.04E-05 | 4.04E-05 | 2.50E-05 | 6.74E-05 | 6.50E-05 | 5.33E-06 | 7.43E-01 | 1.75E-07 | 4.58E-04 |
| THYMUS | G | 3.30E-06 | 4.33E-05 | 4.11E-05 | 4.11E-05 | 4.32E-05 | 3.82E-05 | 4.98E-05 | 2.80E-05 | 5.64E-07 | 2.85E-04 | 1.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 3.30E-06 | 4.33E-05 | 4.11E-05 | 4.11E-05 | 4.32E-05 | 3.82E-05 | 4.98E-05 | 2.80E-05 | 5.64E-07 | 2.85E-04 | 4.85E-04 |
| THYROID | G | 9.25E-07 | 9.82E-06 | 6.26E-05 | 6.26E-05 | 5.33E-05 | 5.66E-05 | 5.29E-05 | 8.51E-06 | 1.75E-07 | 3.30E-02 | 8.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E 00 | 3.59E-04 |
| | T | 9.25E-07 | 9.82E-06 | 6.26E-05 | 6.26E-05 | 5.33E-05 | 5.66E-05 | 5.29E-05 | 8.51E-06 | 1.75E-07 | 1.29E 00 | 4.49E-04 |
| UTERUS | G | 1.32E-03 | 4.03E-05 | 4.16E-05 | 4.16E-05 | 1.36E-04 | 4.31E-05 | 3.33E-05 | 2.88E-05 | 3.95E-46 | 8.75E-07 | 1.35E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.59E-04 |
| | T | 1.32E-03 | 4.03E-05 | 4.16E-05 | 4.16E-05 | 1.36E-04 | 4.31E-05 | 3.33E-05 | 2.88E-05 | 3.95E-46 | 8.75E-07 | 4.94E-04 |
| T BODY | G | 1.37E-04 | 1.34E-04 | 9.89E-05 | 9.89E-05 | 1.09E-04 | 8.73E-05 | 5.85E-05 | 1.15E-04 | 9.47E-05 | 8.76E-05 | 9.75E-05 |
| | B | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 | 3.59E-04 |
| | T | 4.96E-04 | 4.93E-04 | 4.58E-04 | 4.58E-04 | 4.68E-04 | 4.46E-04 | 4.18E-04 | 4.74E-04 | 4.54E-04 | 4.47E-04 | 4.57E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-HELMER AND MCISAAC-IDAHO NUCLEAR CORP. QUARTERLY RPT. IN-1048, P. 35, JULY-SEPTEMBER 1966
DATE DECAY DATA REVIEWED-JUNE 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 61-PROMETHIUM-147 (TR=2.623E 00 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | B | 2.27E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.27E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BLAD WALL | B | 0.0 | 7.93E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 7.93E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 6.34E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 6.34E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 3.97E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 3.97E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.21E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 7.21E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.76E-03 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.76E-03 | 0.0 | 0.0 | 0.0 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.17E-03 | 3.17E-03 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.17E-03 | 3.17E-03 | 0.0 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.17E-03 | 2.11E-01 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.17E-03 | 2.11E-01 | 0.0 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13E-04 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13E-04 |
| OVARIES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

61-PROMETHIUM-147 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKELETON BONE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T E CL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T BODY | B | 4.53E-05 | 5.10E-06 | 1.36E-05 | 3.63E-05 | 2.16E-05 | 2.69E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 |
| | T | 4.53E-05 | 5.10E-06 | 1.36E-05 | 3.63E-05 | 2.16E-05 | 2.69E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 |

CONTINUED NEXT PAGE

61-PROMETHIUM-147 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| BLAD WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| GI TRACT S WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| SI+CONT | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| ULI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| LLI WALL | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| KIDNEYS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| LIVER | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| LUNGS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| RESP LYM NODE | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| MUSCLE* | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| OVARIES | B | 2.88E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 2.88E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |

61-PROMETHIUM-147 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | B | 0.0 | 3.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 3.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| SKELETON BONE | B | 0.0 | 0.0 | 6.34E-04 | 5.55E-04 | 5.33E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 6.34E-04 | 5.55E-04 | 5.33E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| R MARROW | B | 0.0 | 0.0 | 2.02E-06 | 2.66E-04 | 1.93E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 2.02E-06 | 2.66E-04 | 1.93E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| Y MARROW | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.11E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.11E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| T E CL | B | 0.0 | 0.0 | 3.29E-04 | 6.90E-04 | 5.97E-04 | 5.29E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 3.29E-04 | 6.90E-04 | 5.97E-04 | 5.29E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| SKIN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22E-03 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22E-03 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| SPLEEN | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.76E-02 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.76E-02 | 0.0 | 0.0 | 4.53E-05 |
| TESTES | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.06E-02 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.06E-02 | 0.0 | 4.53E-05 |
| THYMUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| THYROID | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-01 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59E-01 | 4.53E-05 |
| UTERUS | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.53E-05 |
| T BODY | B | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 |
| | T | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 | 4.53E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)

PRINCIPLE REFERENCE-EWBANK, W. B., MARTIN, M. J., RAMAN, S., NUCLEAR DATA SHEETS FOR A=147, NUCLEAR DATA B2-4-35-AND ORIGINAL PAPERS REFERENCED THERE

DATE DECAY DATA REVIEWED-JUNE 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 61-PROMETHIUM-149 (TR=5.310E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 2.69E-03 | 4.44E-07 | 4.74E-06 | 3.00E-06 | 2.04E-06 | 9.94E-07 | 2.33E-05 | 1.05E-05 | 5.13E-06 | 5.13E-06 | 3.23E-06 |
| | B | 1.37E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.37E 00 | 4.44E-07 | 4.74E-06 | 3.00E-06 | 2.04E-06 | 9.94E-07 | 2.33E-05 | 1.05E-05 | 5.13E-06 | 5.13E-06 | 3.23E-06 |
| BLAD WALL | G | 2.72E-07 | 1.70E-04 | 6.80E-07 | 5.86E-06 | 4.31E-06 | 1.28E-05 | 7.34E-07 | 4.59E-07 | 1.31E-07 | 1.31E-07 | 3.72E-06 |
| | B | 0.0 | 4.78E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.72E-07 | 4.80E-02 | 6.80E-07 | 5.86E-06 | 4.31E-06 | 1.28E-05 | 7.34E-07 | 4.59E-07 | 1.31E-07 | 1.31E-07 | 3.72E-06 |
| GI TRACT S WALL | G | 6.12E-06 | 6.75E-07 | 1.16E-04 | 7.47E-06 | 7.76E-06 | 3.68E-06 | 7.00E-06 | 4.04E-06 | 3.90E-06 | 3.90E-06 | 2.94E-06 |
| | B | 0.0 | 0.0 | 3.82E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.12E-06 | 6.75E-07 | 3.84E-02 | 7.47E-06 | 7.76E-06 | 3.68E-06 | 7.00E-06 | 4.04E-06 | 3.90E-06 | 3.90E-06 | 2.94E-06 |
| SI+CONT | G | 1.86E-06 | 5.77E-06 | 5.43E-06 | 7.89E-05 | 3.50E-05 | 1.95E-05 | 5.87E-06 | 3.42E-06 | 4.95E-07 | 4.95E-07 | 3.26E-06 |
| | B | 0.0 | 0.0 | 0.0 | 2.39E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.86E-06 | 5.77E-06 | 5.43E-06 | 2.40E-02 | 3.50E-05 | 1.95E-05 | 5.87E-06 | 3.42E-06 | 4.95E-07 | 4.95E-07 | 3.26E-06 |
| ULI WALL | G | 2.05E-06 | 4.80E-06 | 7.14E-06 | 5.75E-05 | 9.79E-05 | 9.07E-06 | 5.98E-06 | 5.18E-06 | 6.33E-07 | 6.33E-07 | 3.48E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 4.35E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.05E-06 | 4.80E-06 | 7.14E-06 | 5.75E-05 | 4.36E-02 | 9.07E-06 | 5.98E-06 | 5.18E-06 | 6.33E-07 | 6.33E-07 | 3.48E-06 |
| LLI WALL | G | 5.64E-07 | 1.47E-05 | 2.70E-06 | 1.53E-05 | 6.40E-06 | 1.19E-04 | 1.79E-06 | 5.61E-07 | 2.08E-07 | 2.08E-07 | 3.55E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.08E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.64E-07 | 1.47E-05 | 2.70E-06 | 1.53E-05 | 6.40E-06 | 7.09E-02 | 1.79E-06 | 5.61E-07 | 2.08E-07 | 2.08E-07 | 3.55E-06 |
| KIDNEYS | G | 2.45E-05 | 6.70E-07 | 7.14E-06 | 6.44E-06 | 5.74E-06 | 1.91E-06 | 2.55E-04 | 7.94E-06 | 1.97E-06 | 1.97E-06 | 3.00E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.17E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.45E-05 | 6.70E-07 | 7.14E-06 | 6.44E-06 | 5.74E-06 | 1.91E-06 | 6.19E-02 | 7.94E-06 | 1.97E-06 | 1.97E-06 | 3.00E-06 |
| LIVER | G | 1.03E-05 | 5.13E-07 | 4.14E-06 | 3.84E-06 | 5.32E-06 | 6.56E-07 | 8.11E-06 | 7.07E-05 | 5.12E-06 | 5.12E-06 | 2.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-02 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-05 | 5.13E-07 | 4.14E-06 | 3.84E-06 | 5.32E-06 | 6.56E-07 | 8.11E-06 | 1.07E-02 | 5.12E-06 | 5.12E-06 | 2.31E-06 |
| LUNGS | G | 5.09E-06 | 8.19E-08 | 3.66E-06 | 6.02E-07 | 6.46E-07 | 2.08E-07 | 1.86E-06 | 5.17E-06 | 5.85E-05 | 5.85E-05 | 2.86E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.91E-02 | 1.91E-02 | 0.0 |
| | T | 5.09E-06 | 8.19E-08 | 3.66E-06 | 6.02E-07 | 6.46E-07 | 2.08E-07 | 1.86E-06 | 5.17E-06 | 1.92E-02 | 1.92E-02 | 2.86E-06 |
| RESP LYM NODE | G | 5.09E-06 | 8.19E-08 | 3.66E-06 | 6.02E-07 | 6.46E-07 | 2.08E-07 | 1.86E-06 | 5.17E-06 | 4.59E-05 | 5.85E-05 | 2.86E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-02 | 1.27E 00 | 0.0 |
| | T | 5.09E-06 | 8.19E-08 | 3.66E-06 | 6.02E-07 | 6.46E-07 | 2.08E-07 | 1.86E-06 | 5.17E-06 | 1.84E-02 | 1.28E 00 | 2.86E-06 |
| MUSCLE* | G | 3.23E-06 | 3.72E-06 | 2.94E-06 | 3.26E-06 | 3.09E-06 | 3.55E-06 | 3.00E-06 | 2.31E-06 | 2.86E-06 | 2.86E-06 | 3.69E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.83E-04 |
| | T | 3.23E-06 | 3.72E-06 | 2.94E-06 | 3.26E-06 | 3.09E-06 | 3.55E-06 | 3.00E-06 | 2.31E-06 | 2.86E-06 | 2.86E-06 | 6.87E-04 |
| OVARIES | G | 1.18E-06 | 1.43E-05 | 1.18E-06 | 2.12E-05 | 2.45E-05 | 3.98E-05 | 2.61E-06 | 8.89E-07 | 2.87E-07 | 2.87E-07 | 4.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-06 | 1.43E-05 | 1.18E-06 | 2.12E-05 | 2.45E-05 | 3.98E-05 | 2.61E-06 | 8.89E-07 | 2.87E-07 | 2.87E-07 | 4.25E-06 |

61-PROMETHIUM-149 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.78E-05 | 6.06E-07 | 3.73E-05 | 4.27E-06 | 4.56E-06 | 1.49E-06 | 1.36E-05 | 8.74E-06 | 5.36E-06 | 5.36E-06 | 3.81E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.78E-05 | 6.06E-07 | 3.73E-05 | 4.27E-06 | 4.56E-06 | 1.49E-06 | 1.36E-05 | 8.74E-06 | 5.36E-06 | 5.36E-06 | 3.81E-06 |
| SKELETON BONE | G | 3.18E-06 | 1.42E-06 | 1.41E-06 | 1.91E-06 | 1.72E-06 | 2.49E-06 | 2.27E-06 | 1.74E-06 | 2.31E-06 | 2.31E-06 | 2.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.18E-06 | 1.42E-06 | 1.41E-06 | 1.91E-06 | 1.72E-06 | 2.49E-06 | 2.27E-06 | 1.74E-06 | 2.31E-06 | 2.31E-06 | 2.25E-06 |
| R MARROW | G | 5.75E-06 | 3.15E-06 | 2.48E-06 | 6.20E-06 | 5.32E-06 | 7.59E-06 | 5.84E-06 | 2.52E-06 | 2.92E-06 | 2.92E-06 | 3.20E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.75E-06 | 3.15E-06 | 2.48E-06 | 6.20E-06 | 5.32E-06 | 7.59E-06 | 5.84E-06 | 2.52E-06 | 2.92E-06 | 2.92E-06 | 3.20E-06 |
| Y MARROW | G | 3.07E-06 | 1.31E-06 | 1.96E-06 | 2.66E-06 | 2.45E-06 | 3.08E-06 | 2.80E-06 | 2.57E-06 | 2.41E-06 | 2.41E-06 | 2.54E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.07E-06 | 1.31E-06 | 1.96E-06 | 2.66E-06 | 2.45E-06 | 3.08E-06 | 2.80E-06 | 2.57E-06 | 2.41E-06 | 2.41E-06 | 2.54E-06 |
| T E CL | G | 3.18E-06 | 1.42E-06 | 1.41E-06 | 1.91E-06 | 1.72E-06 | 2.49E-06 | 2.27E-06 | 1.74E-06 | 2.31E-06 | 2.31E-06 | 2.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.18E-06 | 1.42E-06 | 1.41E-06 | 1.91E-06 | 1.72E-06 | 2.49E-06 | 2.27E-06 | 1.74E-06 | 2.31E-06 | 2.31E-06 | 2.25E-06 |
| SKIN | G | 1.32E-06 | 1.27E-06 | 1.10E-06 | 1.03E-06 | 1.04E-06 | 1.17E-06 | 1.30E-06 | 1.18E-06 | 1.32E-06 | 1.32E-06 | 1.84E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.32E-06 | 1.27E-06 | 1.10E-06 | 1.03E-06 | 1.04E-06 | 1.17E-06 | 1.30E-06 | 1.18E-06 | 1.32E-06 | 1.32E-06 | 1.84E-06 |
| SPLEEN | G | 1.37E-05 | 3.84E-07 | 2.05E-05 | 3.24E-06 | 2.80E-06 | 1.79E-06 | 1.82E-05 | 2.04E-06 | 4.70E-06 | 4.70E-06 | 3.10E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.37E-05 | 3.84E-07 | 2.05E-05 | 3.24E-06 | 2.80E-06 | 1.79E-06 | 1.82E-05 | 2.04E-06 | 4.70E-06 | 4.70E-06 | 3.10E-06 |
| TESTES | G | 1.23E-07 | 9.85E-06 | 1.33E-07 | 7.84E-07 | 8.54E-07 | 4.15E-06 | 2.79E-07 | 2.35E-07 | 3.98E-08 | 3.98E-08 | 2.51E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.23E-07 | 9.85E-06 | 1.33E-07 | 7.84E-07 | 8.54E-07 | 4.15E-06 | 2.79E-07 | 2.35E-07 | 3.98E-08 | 3.98E-08 | 2.51E-06 |
| THYMUS | G | 1.23E-06 | 5.22E-08 | 6.41E-07 | 2.58E-07 | 2.84E-07 | 1.02E-07 | 5.23E-07 | 1.83E-06 | 8.18E-06 | 8.18E-06 | 5.26E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.23E-06 | 5.22E-08 | 6.41E-07 | 2.58E-07 | 2.84E-07 | 1.02E-07 | 5.23E-07 | 1.83E-06 | 8.18E-06 | 8.18E-06 | 5.26E-06 |
| THYROID | G | 3.75E-07 | 1.45E-08 | 2.85E-07 | 6.66E-08 | 7.18E-08 | 2.89E-08 | 1.69E-07 | 4.40E-07 | 2.11E-06 | 2.11E-06 | 2.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.75E-07 | 1.45E-08 | 2.85E-07 | 6.66E-08 | 7.18E-08 | 2.89E-08 | 1.69E-07 | 4.40E-07 | 2.11E-06 | 2.11E-06 | 2.91E-06 |
| UTERUS | G | 3.22E-06 | 3.21E-05 | 1.80E-06 | 1.90E-05 | 9.68E-06 | 1.34E-05 | 2.04E-06 | 8.47E-07 | 2.08E-07 | 2.08E-07 | 5.07E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.22E-06 | 3.21E-05 | 1.80E-06 | 1.90E-05 | 9.68E-06 | 1.34E-05 | 2.04E-06 | 8.47E-07 | 2.08E-07 | 2.08E-07 | 5.07E-06 |
| T BODY | G | 3.96E-06 | 4.37E-06 | 4.16E-06 | 4.59E-06 | 4.48E-06 | 4.46E-06 | 3.99E-06 | 4.01E-06 | 3.51E-06 | 3.51E-06 | 3.39E-06 |
| | B | 2.73E-04 | 3.07E-05 | 8.20E-05 | 2.19E-04 | 1.30E-04 | 1.62E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 |
| | T | 2.77E-04 | 3.51E-05 | 8.61E-05 | 2.23E-04 | 1.35E-04 | 1.66E-04 | 2.77E-04 | 2.77E-04 | 2.77E-04 | 2.77E-04 | 2.77E-04 |

CONTINUED NEXT PAGE

61-PROMETHIUM-149 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 9.79E-07 | 1.71E-05 | 3.08E-06 | 3.08E-06 | 5.13E-06 | 2.59E-06 | 1.65E-06 | 1.35E-05 | 1.23E-07 | 3.75E-07 | 4.62E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 9.79E-07 | 1.71E-05 | 3.08E-06 | 3.08E-06 | 5.13E-06 | 2.59E-06 | 1.65E-06 | 1.35E-05 | 1.23E-07 | 3.75E-07 | 2.78E-04 |
| BLAD WALL | G | 1.43E-05 | 3.45E-07 | 1.10E-06 | 1.10E-06 | 1.62E-06 | 6.90E-07 | 1.24E-06 | 3.78E-07 | 1.03E-05 | 1.47E-08 | 4.20E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.43E-05 | 3.45E-07 | 1.10E-06 | 1.10E-06 | 1.62E-06 | 6.90E-07 | 1.24E-06 | 3.78E-07 | 1.03E-05 | 1.47E-08 | 2.77E-04 |
| GI TRACT S WALL | G | 1.67E-06 | 3.78E-05 | 1.21E-06 | 1.21E-06 | 2.26E-06 | 1.56E-06 | 1.26E-06 | 2.00E-05 | 1.54E-07 | 1.66E-07 | 4.31E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.67E-06 | 3.78E-05 | 1.21E-06 | 1.21E-06 | 2.26E-06 | 1.56E-06 | 1.26E-06 | 2.00E-05 | 1.54E-07 | 1.66E-07 | 2.78E-04 |
| SI+CONT | G | 2.49E-05 | 3.80E-06 | 1.64E-06 | 1.64E-06 | 5.48E-06 | 2.21E-06 | 1.08E-06 | 2.93E-06 | 9.77E-07 | 3.31E-08 | 4.60E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 2.49E-05 | 3.80E-06 | 1.64E-06 | 1.64E-06 | 5.48E-06 | 2.21E-06 | 1.08E-06 | 2.93E-06 | 9.77E-07 | 3.31E-08 | 2.78E-04 |
| ULI WALL | G | 2.38E-05 | 4.58E-06 | 1.54E-06 | 1.54E-06 | 4.33E-06 | 1.92E-06 | 1.10E-06 | 2.70E-06 | 7.48E-07 | 3.04E-08 | 4.35E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 2.38E-05 | 4.58E-06 | 1.54E-06 | 1.54E-06 | 4.33E-06 | 1.92E-06 | 1.10E-06 | 2.70E-06 | 7.48E-07 | 3.04E-08 | 2.78E-04 |
| LLI WALL | G | 3.04E-05 | 1.17E-06 | 2.17E-06 | 2.17E-06 | 6.24E-06 | 1.84E-06 | 1.15E-06 | 1.36E-06 | 5.73E-06 | 2.41E-08 | 4.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 3.04E-05 | 1.17E-06 | 2.17E-06 | 2.17E-06 | 6.24E-06 | 1.84E-06 | 1.15E-06 | 1.36E-06 | 5.73E-06 | 2.41E-08 | 2.77E-04 |
| KIDNEYS | G | 2.16E-06 | 1.31E-05 | 1.98E-06 | 1.98E-06 | 4.79E-06 | 2.39E-06 | 1.46E-06 | 1.84E-05 | 1.70E-07 | 1.07E-07 | 4.11E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 2.16E-06 | 1.31E-05 | 1.98E-06 | 1.98E-06 | 4.79E-06 | 2.39E-06 | 1.46E-06 | 1.84E-05 | 1.70E-07 | 1.07E-07 | 2.77E-04 |
| LIVER | G | 1.25E-06 | 8.88E-06 | 1.44E-06 | 1.44E-06 | 2.08E-06 | 2.17E-06 | 1.29E-06 | 2.18E-06 | 1.07E-07 | 2.92E-07 | 4.01E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.25E-06 | 8.88E-06 | 1.44E-06 | 1.44E-06 | 2.08E-06 | 2.17E-06 | 1.29E-06 | 2.18E-06 | 1.07E-07 | 2.92E-07 | 2.77E-04 |
| LUNGS | G | 1.96E-07 | 5.10E-06 | 2.06E-06 | 2.06E-06 | 2.54E-06 | 2.08E-06 | 1.38E-06 | 4.64E-06 | 3.08E-08 | 2.10E-06 | 3.51E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.96E-07 | 5.10E-06 | 2.06E-06 | 2.06E-06 | 2.54E-06 | 2.08E-06 | 1.38E-06 | 4.64E-06 | 3.08E-08 | 2.10E-06 | 2.77E-04 |
| RESP LYM NODE | G | 1.96E-07 | 5.10E-06 | 2.06E-06 | 2.06E-06 | 2.54E-06 | 2.08E-06 | 1.38E-06 | 4.64E-06 | 3.08E-08 | 2.10E-06 | 3.51E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.96E-07 | 5.10E-06 | 2.06E-06 | 2.06E-06 | 2.54E-06 | 2.08E-06 | 1.38E-06 | 4.64E-06 | 3.08E-08 | 2.10E-06 | 2.77E-04 |
| MUSCLE* | G | 4.25E-06 | 3.81E-06 | 2.25E-06 | 2.25E-06 | 2.68E-06 | 2.06E-06 | 1.84E-06 | 3.10E-06 | 2.51E-06 | 2.91E-06 | 3.39E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 4.25E-06 | 3.81E-06 | 2.25E-06 | 2.25E-06 | 2.68E-06 | 2.06E-06 | 1.84E-06 | 3.10E-06 | 2.51E-06 | 2.91E-06 | 2.77E-04 |
| OVARIES | G | 4.84E-03 | 8.61E-07 | 1.78E-06 | 1.78E-06 | 5.66E-06 | 2.46E-06 | 9.31E-07 | 1.51E-06 | 6.40E-46 | 2.84E-08 | 4.14E-06 |
| | B | 1.74E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.74E 00 | 8.61E-07 | 1.78E-06 | 1.78E-06 | 5.66E-06 | 2.46E-06 | 9.31E-07 | 1.51E-06 | 6.40E-46 | 2.84E-08 | 2.77E-04 |

61-PROMETHIUM-149 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.17E-06 | 9.13E-04 | 2.13E-06 | 2.13E-06 | 3.33E-06 | 2.69E-06 | 1.19E-06 | 4.00E-05 | 1.40E-07 | 1.90E-07 | 4.60E-06 |
| | B | 0.0 | 1.91E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.17E-06 | 1.92E-01 | 2.13E-06 | 2.13E-06 | 3.33E-06 | 2.69E-06 | 1.19E-06 | 4.00E-05 | 1.40E-07 | 1.90E-07 | 2.78E-04 |
| SKELETON BONE | G | 2.25E-06 | 2.17E-06 | 1.07E-05 | 1.07E-05 | 6.32E-06 | 7.18E-06 | 1.85E-06 | 1.80E-06 | 1.51E-06 | 1.68E-06 | 3.59E-06 |
| | B | 0.0 | 0.0 | 3.82E-03 | 2.43E-03 | 9.32E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 2.25E-06 | 2.17E-06 | 3.84E-03 | 2.44E-03 | 9.39E-04 | 7.18E-06 | 1.85E-06 | 1.80E-06 | 1.51E-06 | 1.68E-06 | 2.77E-04 |
| R MARROW | G | 7.66E-06 | 4.14E-06 | 8.74E-06 | 8.74E-06 | 2.98E-05 | 7.45E-06 | 1.74E-06 | 2.72E-06 | 1.22E-06 | 1.84E-06 | 4.26E-06 |
| | B | 0.0 | 0.0 | 1.18E-04 | 4.66E-03 | 9.33E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 7.66E-06 | 4.14E-06 | 1.26E-04 | 4.67E-03 | 9.36E-03 | 7.45E-06 | 1.74E-06 | 2.72E-06 | 1.22E-06 | 1.84E-06 | 2.77E-04 |
| Y MARROW | G | 3.01E-06 | 2.54E-06 | 8.48E-06 | 8.48E-06 | 8.15E-06 | 2.11E-05 | 1.95E-06 | 2.67E-06 | 6.12E-07 | 8.82E-07 | 3.61E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.27E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 3.01E-06 | 2.54E-06 | 8.48E-06 | 8.48E-06 | 8.15E-06 | 1.28E-02 | 1.95E-06 | 2.67E-06 | 6.12E-07 | 8.82E-07 | 2.77E-04 |
| T E CL | G | 2.25E-06 | 2.17E-06 | 9.53E-06 | 9.53E-06 | 1.29E-05 | 1.22E-05 | 1.85E-06 | 1.80E-06 | 1.51E-06 | 1.68E-06 | 3.83E-06 |
| | B | 0.0 | 0.0 | 2.38E-03 | 4.08E-03 | 3.65E-03 | 3.19E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 2.25E-06 | 2.17E-06 | 2.39E-03 | 4.09E-03 | 3.67E-03 | 3.20E-03 | 1.85E-06 | 1.80E-06 | 1.51E-06 | 1.68E-06 | 2.77E-04 |
| SKIN | G | 1.02E-06 | 9.89E-07 | 1.67E-06 | 1.67E-06 | 1.49E-06 | 1.86E-06 | 1.21E-05 | 1.18E-06 | 3.24E-06 | 1.78E-06 | 2.17E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.36E-03 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.02E-06 | 9.89E-07 | 1.67E-06 | 1.67E-06 | 1.49E-06 | 1.86E-06 | 7.37E-03 | 1.18E-06 | 3.24E-06 | 1.78E-06 | 2.75E-04 |
| SPLEEN | G | 1.26E-06 | 4.02E-05 | 1.56E-06 | 1.56E-06 | 1.89E-06 | 2.18E-06 | 1.32E-06 | 4.44E-04 | 1.27E-07 | 2.78E-07 | 4.23E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-01 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.26E-06 | 4.02E-05 | 1.56E-06 | 1.56E-06 | 1.89E-06 | 2.18E-06 | 1.32E-06 | 1.07E-01 | 1.27E-07 | 2.78E-07 | 2.77E-04 |
| TESTES | G | 6.40E-46 | 1.62E-07 | 1.28E-06 | 1.28E-06 | 7.46E-07 | 2.15E-06 | 2.11E-06 | 1.71E-07 | 1.52E-03 | 5.07E-09 | 3.43E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.46E-01 | 0.0 | 2.73E-04 |
| | T | 6.40E-46 | 1.62E-07 | 1.28E-06 | 1.28E-06 | 7.46E-07 | 2.15E-06 | 2.11E-06 | 1.71E-07 | 5.48E-01 | 5.07E-09 | 2.77E-04 |
| THYMUS | G | 1.05E-07 | 1.49E-06 | 1.26E-06 | 1.26E-06 | 1.36E-06 | 1.24E-06 | 1.58E-06 | 9.23E-07 | 1.71E-08 | 8.89E-06 | 4.65E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 1.05E-07 | 1.49E-06 | 1.26E-06 | 1.26E-06 | 1.36E-06 | 1.24E-06 | 1.58E-06 | 9.23E-07 | 1.71E-08 | 8.89E-06 | 2.78E-04 |
| THYROID | G | 2.84E-08 | 3.15E-07 | 1.97E-06 | 1.97E-06 | 1.69E-06 | 1.88E-06 | 1.68E-06 | 2.75E-07 | 5.07E-09 | 2.41E-03 | 3.36E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.56E-01 | 2.73E-04 |
| | T | 2.84E-08 | 3.15E-07 | 1.97E-06 | 1.97E-06 | 1.69E-06 | 1.88E-06 | 1.68E-06 | 2.75E-07 | 5.07E-09 | 9.59E-01 | 2.77E-04 |
| UTERUS | G | 4.14E-05 | 1.32E-06 | 1.34E-06 | 1.34E-06 | 4.39E-06 | 1.35E-06 | 1.02E-06 | 9.23E-07 | 6.40E-46 | 2.68E-08 | 4.74E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.73E-04 |
| | T | 4.14E-05 | 1.32E-06 | 1.34E-06 | 1.34E-06 | 4.39E-06 | 1.35E-06 | 1.02E-06 | 9.23E-07 | 6.40E-46 | 2.68E-08 | 2.78E-04 |
| T BODY | G | 4.67E-06 | 4.58E-06 | 3.46E-06 | 3.46E-06 | 3.80E-06 | 3.10E-06 | 2.18E-06 | 4.00E-06 | 3.38E-06 | 3.14E-06 | 3.44E-06 |
| | B | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 | 2.73E-04 |
| | T | 2.78E-04 | 2.78E-04 | 2.77E-04 | 2.77E-04 | 2.77E-04 | 2.76E-04 | 2.75E-04 | 2.77E-04 | 2.77E-04 | 2.76E-04 | 2.77E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-MCISAAC, L. D. AND HELMER, R. G., PHYS. REV. 150, 1033 (1966)
DATE DECAY DATA REVIEWED-JUNE 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 62-SAMARIUM-151 (TR=8.700E 01 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 5.29E-05 | 1.69E-13 | 4.34E-10 | 4.83E-11 | 1.33E-10 | 4.96E-12 | 5.86E-08 | 1.18E-08 | 2.73E-09 | 2.73E-09 | 9.85E-09 |
| | B | 7.30E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.30E-02 | 1.69E-13 | 4.34E-10 | 4.83E-11 | 1.33E-10 | 4.96E-12 | 5.86E-08 | 1.18E-08 | 2.73E-09 | 2.73E-09 | 9.85E-09 |
| BLAD WALL | G | 1.87E-13 | 1.29E-06 | 3.07E-12 | 7.36E-10 | 4.92E-10 | 6.42E-09 | 2.95E-12 | 1.45E-12 | 2.99E-14 | 2.99E-14 | 4.23E-09 |
| | B | 0.0 | 2.55E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.87E-13 | 2.55E-03 | 3.07E-12 | 7.36E-10 | 4.92E-10 | 6.42E-09 | 2.95E-12 | 1.45E-12 | 2.99E-14 | 2.99E-14 | 4.23E-09 |
| GI TRACT S WALL | G | 8.82E-10 | 3.57E-12 | 7.25E-07 | 6.45E-09 | 9.85E-09 | 1.04E-09 | 1.18E-09 | 1.05E-09 | 3.08E-09 | 3.08E-09 | 3.08E-09 |
| | B | 0.0 | 0.0 | 2.04E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.82E-10 | 3.57E-12 | 2.04E-03 | 6.45E-09 | 9.85E-09 | 1.04E-09 | 1.18E-09 | 1.05E-09 | 3.08E-09 | 3.08E-09 | 3.08E-09 |
| SI+CONT | G | 3.96E-11 | 6.55E-10 | 1.52E-09 | 6.81E-07 | 8.63E-08 | 4.46E-08 | 1.26E-09 | 8.30E-10 | 5.09E-12 | 5.09E-12 | 3.52E-09 |
| | B | 0.0 | 0.0 | 0.0 | 1.28E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.96E-11 | 6.55E-10 | 1.52E-09 | 1.28E-03 | 8.63E-08 | 4.46E-08 | 1.26E-09 | 8.30E-10 | 5.09E-12 | 5.09E-12 | 3.52E-09 |
| ULI WALL | G | 5.62E-11 | 3.88E-10 | 5.35E-09 | 4.51E-07 | 7.10E-07 | 2.58E-08 | 8.90E-10 | 1.99E-09 | 8.39E-12 | 8.39E-12 | 6.33E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 2.32E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.62E-11 | 3.88E-10 | 5.35E-09 | 4.51E-07 | 2.32E-03 | 2.58E-08 | 8.90E-10 | 1.99E-09 | 8.39E-12 | 8.39E-12 | 6.33E-09 |
| LLI WALL | G | 3.88E-12 | 8.41E-09 | 3.59E-10 | 5.81E-08 | 9.57E-09 | 9.79E-07 | 7.87E-11 | 2.89E-12 | 7.92E-13 | 7.92E-13 | 3.24E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.78E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.88E-12 | 8.41E-09 | 3.59E-10 | 5.81E-08 | 9.57E-09 | 3.78E-03 | 7.87E-11 | 2.89E-12 | 7.92E-13 | 7.92E-13 | 3.24E-09 |
| KIDNEYS | G | 5.50E-08 | 2.67E-12 | 1.13E-09 | 1.23E-09 | 8.28E-10 | 1.04E-10 | 3.72E-06 | 4.64E-09 | 1.68E-10 | 1.68E-10 | 5.79E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.29E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.50E-08 | 2.67E-12 | 1.13E-09 | 1.23E-09 | 8.28E-10 | 1.04E-10 | 3.30E-03 | 4.64E-09 | 1.68E-10 | 1.68E-10 | 5.79E-09 |
| LIVER | G | 1.03E-08 | 2.23E-12 | 7.71E-10 | 1.29E-09 | 1.98E-09 | 3.54E-12 | 4.54E-09 | 6.73E-07 | 5.68E-09 | 5.68E-09 | 2.89E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.67E-04 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-08 | 2.23E-12 | 7.71E-10 | 1.29E-09 | 1.98E-09 | 3.54E-12 | 4.54E-09 | 5.68E-04 | 5.68E-09 | 5.68E-09 | 2.89E-09 |
| LUNGS | G | 3.01E-09 | 8.31E-15 | 2.42E-09 | 6.86E-12 | 7.78E-12 | 3.17E-13 | 1.85E-10 | 7.21E-09 | 9.38E-07 | 9.38E-07 | 8.16E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-03 | 1.02E-03 | 0.0 |
| | T | 3.01E-09 | 8.31E-15 | 2.42E-09 | 6.86E-12 | 7.78E-12 | 3.17E-13 | 1.85E-10 | 7.21E-09 | 1.02E-03 | 1.02E-03 | 8.16E-09 |
| RESP LYM NODE | G | 3.01E-09 | 8.31E-15 | 2.42E-09 | 6.86E-12 | 7.78E-12 | 3.17E-13 | 1.85E-10 | 7.21E-09 | 6.49E-07 | 9.38E-07 | 8.16E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.92E-04 | 6.81E-02 | 0.0 |
| | T | 3.01E-09 | 8.31E-15 | 2.42E-09 | 6.86E-12 | 7.78E-12 | 3.17E-13 | 1.85E-10 | 7.21E-09 | 9.93E-04 | 6.81E-02 | 8.16E-09 |
| MUSCLE* | G | 9.85E-09 | 4.23E-09 | 3.08E-09 | 3.52E-09 | 2.61E-09 | 3.24E-09 | 5.79E-09 | 2.89E-09 | 8.16E-09 | 8.16E-09 | 2.37E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.65E-05 |
| | T | 9.85E-09 | 4.23E-09 | 3.08E-09 | 3.52E-09 | 2.61E-09 | 3.24E-09 | 5.79E-09 | 2.89E-09 | 8.16E-09 | 8.16E-09 | 3.65E-05 |
| OVARIES | G | 2.65E-12 | 3.95E-09 | 3.20E-11 | 3.81E-08 | 4.72E-08 | 1.29E-07 | 5.32E-11 | 1.80E-11 | 3.40E-13 | 3.40E-13 | 9.91E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.65E-12 | 3.95E-09 | 3.20E-11 | 3.81E-08 | 4.72E-08 | 1.29E-07 | 5.32E-11 | 1.80E-11 | 3.40E-13 | 3.40E-13 | 9.91E-09 |

62-SAMARIUM-151 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 8.47E-09 | 7.07E-13 | 5.84E-08 | 2.90E-10 | 3.23E-10 | 6.25E-11 | 5.19E-09 | 4.13E-09 | 1.34E-09 | 1.34E-09 | 8.28E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.47E-09 | 7.07E-13 | 5.84E-08 | 2.90E-10 | 3.23E-10 | 6.25E-11 | 5.19E-09 | 4.13E-09 | 1.34E-09 | 1.34E-09 | 8.28E-09 |
| SKELETON BONE | G | 4.61E-09 | 1.35E-10 | 7.08E-10 | 1.68E-09 | 1.38E-09 | 4.68E-09 | 2.16E-09 | 1.84E-09 | 3.17E-09 | 3.17E-09 | 1.43E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.61E-09 | 1.35E-10 | 7.08E-10 | 1.68E-09 | 1.38E-09 | 4.68E-09 | 2.16E-09 | 1.84E-09 | 3.17E-09 | 3.17E-09 | 1.43E-09 |
| R MARROW | G | 6.96E-09 | 4.66E-10 | 7.95E-10 | 6.86E-09 | 5.67E-09 | 1.93E-08 | 5.70E-09 | 1.76E-09 | 3.58E-09 | 3.58E-09 | 7.58E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.96E-09 | 4.66E-10 | 7.95E-10 | 6.86E-09 | 5.67E-09 | 1.93E-08 | 5.70E-09 | 1.76E-09 | 3.58E-09 | 3.58E-09 | 7.58E-09 |
| Y MARROW | G | 4.32E-09 | 1.59E-10 | 9.88E-10 | 2.33E-09 | 1.95E-09 | 6.48E-09 | 2.58E-09 | 2.87E-09 | 3.89E-09 | 3.89E-09 | 6.64E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.32E-09 | 1.59E-10 | 9.88E-10 | 2.33E-09 | 1.95E-09 | 6.48E-09 | 2.58E-09 | 2.87E-09 | 3.89E-09 | 3.89E-09 | 6.64E-09 |
| T E CL | G | 4.61E-09 | 1.35E-10 | 7.08E-10 | 1.68E-09 | 1.38E-09 | 4.68E-09 | 2.16E-09 | 1.84E-09 | 3.17E-09 | 3.17E-09 | 1.43E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.61E-09 | 1.35E-10 | 7.08E-10 | 1.68E-09 | 1.38E-09 | 4.68E-09 | 2.16E-09 | 1.84E-09 | 3.17E-09 | 3.17E-09 | 1.43E-09 |
| SKIN | G | 7.05E-10 | 4.10E-10 | 3.78E-10 | 1.67E-10 | 1.60E-10 | 4.30E-10 | 1.01E-09 | 4.76E-10 | 5.98E-10 | 5.98E-10 | 6.01E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.05E-10 | 4.10E-10 | 3.78E-10 | 1.67E-10 | 1.60E-10 | 4.30E-10 | 1.01E-09 | 4.76E-10 | 5.98E-10 | 5.98E-10 | 6.01E-09 |
| SPLEEN | G | 7.84E-09 | 5.19E-13 | 1.17E-08 | 3.24E-10 | 2.00E-10 | 6.65E-11 | 3.06E-08 | 9.03E-11 | 4.35E-09 | 4.35E-09 | 5.41E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.84E-09 | 5.19E-13 | 1.17E-08 | 3.24E-10 | 2.00E-10 | 6.65E-11 | 3.06E-08 | 9.03E-11 | 4.35E-09 | 4.35E-09 | 5.41E-09 |
| TESTES | G | 3.04E-15 | 2.47E-09 | 5.65E-14 | 5.23E-12 | 5.24E-12 | 6.05E-10 | 4.70E-14 | 3.01E-14 | 6.04E-16 | 6.04E-16 | 2.16E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.04E-15 | 2.47E-09 | 5.65E-14 | 5.23E-12 | 5.24E-12 | 6.05E-10 | 4.70E-14 | 3.01E-14 | 6.04E-16 | 6.04E-16 | 2.16E-09 |
| THYMUS | G | 6.23E-12 | 2.23E-16 | 3.71E-12 | 4.36E-14 | 5.90E-14 | 4.84E-15 | 6.70E-13 | 1.31E-11 | 3.94E-09 | 3.94E-09 | 2.38E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.23E-12 | 2.23E-16 | 3.71E-12 | 4.36E-14 | 5.90E-14 | 4.84E-15 | 6.70E-13 | 1.31E-11 | 3.94E-09 | 3.94E-09 | 2.38E-08 |
| THYROID | G | 9.86E-14 | 3.11E-18 | 6.19E-14 | 5.62E-16 | 7.45E-16 | 7.89E-17 | 1.01E-14 | 1.31E-13 | 1.01E-10 | 1.01E-10 | 9.51E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.86E-14 | 3.11E-18 | 6.19E-14 | 5.62E-16 | 7.45E-16 | 7.89E-17 | 1.01E-14 | 1.31E-13 | 1.01E-10 | 1.01E-10 | 9.51E-09 |
| UTERUS | G | 1.75E-12 | 3.80E-08 | 2.08E-11 | 1.78E-08 | 2.20E-09 | 3.78E-09 | 3.57E-11 | 9.16E-12 | 2.25E-13 | 2.25E-13 | 2.06E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.75E-12 | 3.80E-08 | 2.08E-11 | 1.78E-08 | 2.20E-09 | 3.78E-09 | 3.57E-11 | 9.16E-12 | 2.25E-13 | 2.25E-13 | 2.06E-08 |
| T BODY | G | 1.98E-08 | 1.99E-08 | 1.99E-08 | 2.00E-08 | 2.00E-08 | 2.00E-08 | 1.97E-08 | 1.99E-08 | 1.98E-08 | 1.98E-08 | 1.86E-08 |
| | B | 1.46E-05 | 1.64E-06 | 4.38E-06 | 1.17E-05 | 6.96E-06 | 8.65E-06 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 |
| | T | 1.46E-05 | 1.66E-06 | 4.40E-06 | 1.17E-05 | 6.98E-06 | 8.67E-06 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 |

CONTINUED NEXT PAGE

62-SAMARIUM-151 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.65E-12 | 7.06E-09 | 2.90E-09 | 2.90E-09 | 4.81E-09 | 1.27E-09 | 1.08E-09 | 9.25E-09 | 3.04E-15 | 9.86E-14 | 1.72E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 2.65E-12 | 7.06E-09 | 2.90E-09 | 2.90E-09 | 4.81E-09 | 1.27E-09 | 1.08E-09 | 9.25E-09 | 3.04E-15 | 9.86E-14 | 1.46E-05 |
| BLAD WALL | G | 4.83E-09 | 7.69E-13 | 4.35E-11 | 4.35E-11 | 2.13E-10 | 8.65E-11 | 5.44E-10 | 5.80E-13 | 3.18E-09 | 3.42E-18 | 2.09E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 4.83E-09 | 7.69E-13 | 4.35E-11 | 4.35E-11 | 2.13E-10 | 8.65E-11 | 5.44E-10 | 5.80E-13 | 3.18E-09 | 3.42E-18 | 1.46E-05 |
| GI TRACT S WALL | G | 5.79E-11 | 8.07E-08 | 3.44E-10 | 3.44E-10 | 3.70E-10 | 6.37E-10 | 6.51E-10 | 1.38E-08 | 7.23E-14 | 7.88E-14 | 1.97E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 5.79E-11 | 8.07E-08 | 3.44E-10 | 3.44E-10 | 3.70E-10 | 6.37E-10 | 6.51E-10 | 1.38E-08 | 7.23E-14 | 7.88E-14 | 1.46E-05 |
| SI+CONT | G | 4.52E-08 | 2.26E-10 | 5.36E-10 | 5.36E-10 | 2.27E-09 | 7.64E-10 | 1.96E-10 | 2.16E-10 | 5.08E-12 | 5.71E-16 | 1.98E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 4.52E-08 | 2.26E-10 | 5.36E-10 | 5.36E-10 | 2.27E-09 | 7.64E-10 | 1.96E-10 | 2.16E-10 | 5.08E-12 | 5.71E-16 | 1.46E-05 |
| ULI WALL | G | 7.67E-08 | 3.38E-10 | 6.09E-10 | 6.09E-10 | 2.31E-09 | 6.98E-10 | 3.27E-10 | 2.75E-10 | 5.20E-12 | 7.70E-16 | 1.97E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 7.67E-08 | 3.38E-10 | 6.09E-10 | 6.09E-10 | 2.31E-09 | 6.98E-10 | 3.27E-10 | 2.75E-10 | 5.20E-12 | 7.70E-16 | 1.46E-05 |
| LLI WALL | G | 1.04E-07 | 3.40E-11 | 1.71E-09 | 1.71E-09 | 5.92E-09 | 1.39E-09 | 1.88E-10 | 5.28E-11 | 1.20E-09 | 6.15E-17 | 1.97E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 1.04E-07 | 3.40E-11 | 1.71E-09 | 1.71E-09 | 5.92E-09 | 1.39E-09 | 1.88E-10 | 5.28E-11 | 1.20E-09 | 6.15E-17 | 1.46E-05 |
| KIDNEYS | G | 6.02E-11 | 4.57E-09 | 6.73E-10 | 6.73E-10 | 1.46E-09 | 1.02E-09 | 1.06E-09 | 3.10E-08 | 4.70E-14 | 1.01E-14 | 1.87E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 6.02E-11 | 4.57E-09 | 6.73E-10 | 6.73E-10 | 1.46E-09 | 1.02E-09 | 1.06E-09 | 3.10E-08 | 4.70E-14 | 1.01E-14 | 1.46E-05 |
| LIVER | G | 2.66E-11 | 3.91E-09 | 5.09E-10 | 5.09E-10 | 5.35E-10 | 9.35E-10 | 4.91E-10 | 6.74E-11 | 2.98E-14 | 1.30E-13 | 1.98E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 2.66E-11 | 3.91E-09 | 5.09E-10 | 5.09E-10 | 5.35E-10 | 9.35E-10 | 4.91E-10 | 6.74E-11 | 2.98E-14 | 1.30E-13 | 1.46E-05 |
| LUNGS | G | 1.01E-13 | 1.63E-09 | 1.02E-09 | 1.02E-09 | 1.18E-09 | 1.27E-09 | 7.36E-10 | 4.48E-09 | 1.79E-16 | 1.52E-10 | 1.94E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 1.01E-13 | 1.63E-09 | 1.02E-09 | 1.02E-09 | 1.18E-09 | 1.27E-09 | 7.36E-10 | 4.48E-09 | 1.79E-16 | 1.52E-10 | 1.46E-05 |
| RESP LYM NODE | G | 1.01E-13 | 1.63E-09 | 1.02E-09 | 1.02E-09 | 1.18E-09 | 1.27E-09 | 7.36E-10 | 4.48E-09 | 1.79E-16 | 1.52E-10 | 1.94E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 1.01E-13 | 1.63E-09 | 1.02E-09 | 1.02E-09 | 1.18E-09 | 1.27E-09 | 7.36E-10 | 4.48E-09 | 1.79E-16 | 1.52E-10 | 1.46E-05 |
| MUSCLE* | G | 9.91E-09 | 8.28E-09 | 1.43E-09 | 1.43E-09 | 1.90E-09 | 2.15E-09 | 6.01E-09 | 5.41E-09 | 2.16E-09 | 9.51E-09 | 1.86E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 9.91E-09 | 8.28E-09 | 1.43E-09 | 1.43E-09 | 1.90E-09 | 2.15E-09 | 6.01E-09 | 5.41E-09 | 2.16E-09 | 9.51E-09 | 1.46E-05 |
| OVARIES | G | 9.70E-05 | 8.70E-12 | 9.43E-10 | 9.43E-10 | 2.58E-09 | 7.47E-10 | 9.44E-11 | 9.60E-12 | 1.62E-47 | 2.71E-17 | 2.08E-08 |
| | B | 9.29E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 9.30E-02 | 8.70E-12 | 9.43E-10 | 9.43E-10 | 2.58E-09 | 7.47E-10 | 9.44E-11 | 9.60E-12 | 1.62E-47 | 2.71E-17 | 1.46E-05 |

62-SAMARIUM-151 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 8.63E-12 | 1.56E-05 | 7.68E-10 | 7.68E-10 | 3.24E-10 | 3.33E-10 | 1.20E-10 | 9.28E-08 | 1.27E-14 | 8.47E-14 | 2.15E-08 |
| | B | 0.0 | 1.02E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 8.63E-12 | 1.02E-02 | 7.68E-10 | 7.68E-10 | 3.24E-10 | 3.33E-10 | 1.20E-10 | 9.28E-08 | 1.27E-14 | 8.47E-14 | 1.46E-05 |
| SKELETON BONE | G | 1.66E-09 | 1.00E-09 | 1.24E-07 | 1.24E-07 | 6.20E-08 | 8.03E-08 | 5.51E-09 | 1.60E-09 | 1.39E-10 | 4.87E-10 | 1.74E-08 |
| | B | 0.0 | 0.0 | 2.04E-04 | 1.97E-04 | 4.76E-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 1.66E-09 | 1.00E-09 | 2.04E-04 | 1.97E-04 | 4.82E-06 | 8.03E-08 | 5.51E-09 | 1.60E-09 | 1.39E-10 | 4.87E-10 | 1.46E-05 |
| R MARROW | G | 6.96E-09 | 1.86E-09 | 9.53E-08 | 9.53E-08 | 4.46E-07 | 8.40E-08 | 4.97E-09 | 1.65E-09 | 7.52E-11 | 4.78E-10 | 2.46E-08 |
| | B | 0.0 | 0.0 | 1.86E-07 | 2.38E-05 | 6.65E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 6.96E-09 | 1.86E-09 | 2.81E-07 | 2.39E-05 | 6.65E-04 | 8.40E-08 | 4.97E-09 | 1.65E-09 | 7.52E-11 | 4.78E-10 | 1.46E-05 |
| Y MARROW | G | 2.33E-09 | 9.84E-10 | 9.53E-08 | 9.53E-08 | 9.29E-08 | 3.50E-07 | 6.81E-09 | 2.34E-09 | 2.90E-11 | 2.55E-10 | 2.37E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.81E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 2.33E-09 | 9.84E-10 | 9.53E-08 | 9.53E-08 | 9.29E-08 | 6.81E-04 | 6.81E-09 | 2.34E-09 | 2.90E-11 | 2.55E-10 | 1.46E-05 |
| T E CL | G | 1.66E-09 | 1.00E-09 | 9.60E-08 | 9.60E-08 | 1.90E-07 | 1.88E-07 | 5.51E-09 | 1.60E-09 | 1.39E-10 | 4.87E-10 | 2.33E-08 |
| | B | 0.0 | 0.0 | 3.96E-05 | 8.27E-05 | 2.85E-04 | 1.70E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 1.66E-09 | 1.00E-09 | 3.96E-05 | 8.28E-05 | 2.86E-04 | 1.70E-04 | 5.51E-09 | 1.60E-09 | 1.39E-10 | 4.87E-10 | 1.46E-05 |
| SKIN | G | 6.56E-11 | 7.15E-11 | 1.52E-09 | 1.52E-09 | 1.26E-09 | 2.10E-09 | 2.27E-07 | 3.48E-10 | 1.09E-08 | 2.66E-09 | 1.40E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.93E-04 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 6.56E-11 | 7.15E-11 | 1.52E-09 | 1.52E-09 | 1.26E-09 | 2.10E-09 | 3.93E-04 | 3.48E-10 | 1.09E-08 | 2.66E-09 | 1.46E-05 |
| SPLEEN | G | 1.04E-11 | 9.49E-08 | 1.24E-09 | 1.24E-09 | 4.09E-10 | 5.77E-10 | 4.33E-10 | 6.28E-06 | 1.07E-14 | 4.66E-14 | 2.06E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.67E-03 | 0.0 | 0.0 | 1.46E-05 |
| | T | 1.04E-11 | 9.49E-08 | 1.24E-09 | 1.24E-09 | 4.09E-10 | 5.77E-10 | 4.33E-10 | 5.68E-03 | 1.07E-14 | 4.66E-14 | 1.46E-05 |
| TESTES | G | 1.62E-47 | 1.28E-14 | 1.03E-10 | 1.03E-10 | 4.05E-11 | 1.45E-10 | 6.29E-09 | 1.06E-14 | 2.60E-05 | 7.96E-20 | 1.72E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.92E-02 | 0.0 | 1.46E-05 |
| | T | 1.62E-47 | 1.28E-14 | 1.03E-10 | 1.03E-10 | 4.05E-11 | 1.45E-10 | 6.29E-09 | 1.06E-14 | 2.92E-02 | 7.96E-20 | 1.46E-05 |
| THYMUS | G | 1.99E-15 | 6.27E-12 | 5.31E-10 | 5.31E-10 | 4.95E-10 | 6.73E-10 | 4.89E-10 | 1.99E-12 | 5.44E-18 | 1.38E-09 | 2.28E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 1.99E-15 | 6.27E-12 | 5.31E-10 | 5.31E-10 | 4.95E-10 | 6.73E-10 | 4.89E-10 | 1.99E-12 | 5.44E-18 | 1.38E-09 | 1.46E-05 |
| THYROID | G | 2.72E-17 | 8.49E-14 | 4.18E-10 | 4.18E-10 | 2.69E-10 | 4.03E-10 | 2.54E-09 | 4.64E-14 | 7.96E-20 | 4.46E-05 | 2.24E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-02 | 1.46E-05 |
| | T | 2.72E-17 | 8.49E-14 | 4.18E-10 | 4.18E-10 | 2.69E-10 | 4.03E-10 | 2.54E-09 | 4.64E-14 | 7.96E-20 | 5.11E-02 | 1.46E-05 |
| UTERUS | G | 4.57E-08 | 1.20E-11 | 1.62E-10 | 1.62E-10 | 4.46E-10 | 1.59E-10 | 1.52E-10 | 4.43E-12 | 1.62E-47 | 2.20E-17 | 2.05E-08 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-05 |
| | T | 4.57E-08 | 1.20E-11 | 1.62E-10 | 1.62E-10 | 4.46E-10 | 1.59E-10 | 1.52E-10 | 4.43E-12 | 1.62E-47 | 2.20E-17 | 1.46E-05 |
| T BODY | G | 2.00E-08 | 2.00E-08 | 1.97E-08 | 1.97E-08 | 1.97E-08 | 1.96E-08 | 1.42E-08 | 1.99E-08 | 1.86E-08 | 1.92E-08 | 1.91E-08 |
| | B | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 |
| | T | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 | 1.46E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED. PAGES 303-304.
DATE DECAY DATA REVIEWED-SEPTEMBER 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 62-SAMARIUM-153 (TR=4.675E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 9.95E-03 | 9.93E-07 | 3.20E-05 | 7.54E-06 | 9.63E-06 | 2.65E-06 | 1.79E-04 | 6.02E-05 | 3.22E-05 | 3.22E-05 | 2.08E-05 |
| | B | 9.83E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.93E-01 | 9.93E-07 | 3.20E-05 | 7.54E-06 | 9.63E-06 | 2.65E-06 | 1.79E-04 | 6.02E-05 | 3.22E-05 | 3.22E-05 | 2.08E-05 |
| BLAD WALL | G | 1.05E-06 | 1.34E-03 | 2.49E-06 | 2.95E-05 | 2.36E-05 | 9.06E-05 | 2.08E-06 | 1.26E-06 | 2.38E-07 | 2.38E-07 | 2.48E-05 |
| | B | 0.0 | 3.44E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.05E-06 | 3.58E-02 | 2.49E-06 | 2.95E-05 | 2.36E-05 | 9.06E-05 | 2.08E-06 | 1.26E-06 | 2.38E-07 | 2.38E-07 | 2.48E-05 |
| GI TRACT S WALL | G | 3.29E-05 | 2.22E-06 | 9.57E-04 | 4.75E-05 | 5.47E-05 | 2.15E-05 | 4.30E-05 | 2.22E-05 | 2.47E-05 | 2.47E-05 | 1.83E-05 |
| | B | 0.0 | 0.0 | 2.75E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.29E-05 | 2.22E-06 | 2.85E-02 | 4.75E-05 | 5.47E-05 | 2.15E-05 | 4.30E-05 | 2.22E-05 | 2.47E-05 | 2.47E-05 | 1.83E-05 |
| SI+CONT | G | 7.58E-06 | 3.43E-05 | 3.27E-05 | 5.58E-04 | 2.77E-04 | 1.49E-04 | 3.37E-05 | 1.80E-05 | 1.57E-06 | 1.57E-06 | 2.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.72E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.58E-06 | 3.43E-05 | 3.27E-05 | 1.78E-02 | 2.77E-04 | 1.49E-04 | 3.37E-05 | 1.80E-05 | 1.57E-06 | 1.57E-06 | 2.05E-05 |
| ULI WALL | G | 8.97E-06 | 2.35E-05 | 4.88E-05 | 4.19E-04 | 7.74E-04 | 6.25E-05 | 3.28E-05 | 3.20E-05 | 1.95E-06 | 1.95E-06 | 2.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.97E-06 | 2.35E-05 | 4.88E-05 | 4.19E-04 | 3.21E-02 | 6.25E-05 | 3.28E-05 | 3.20E-05 | 1.95E-06 | 1.95E-06 | 2.15E-05 |
| LLI WALL | G | 1.82E-06 | 1.06E-04 | 1.28E-05 | 1.18E-04 | 4.45E-05 | 9.22E-04 | 6.27E-06 | 1.81E-06 | 3.99E-07 | 3.99E-07 | 2.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.10E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.82E-06 | 1.06E-04 | 1.28E-05 | 1.18E-04 | 4.45E-05 | 5.19E-02 | 6.27E-06 | 1.81E-06 | 3.99E-07 | 3.99E-07 | 2.24E-05 |
| KIDNEYS | G | 1.71E-04 | 2.09E-06 | 4.22E-05 | 3.70E-05 | 3.35E-05 | 8.12E-06 | 1.39E-03 | 5.22E-05 | 8.86E-06 | 8.86E-06 | 1.92E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.44E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.71E-04 | 2.09E-06 | 4.22E-05 | 3.70E-05 | 3.35E-05 | 8.12E-06 | 4.58E-02 | 5.22E-05 | 8.86E-06 | 8.86E-06 | 1.92E-05 |
| LIVER | G | 6.88E-05 | 1.23E-06 | 2.31E-05 | 2.14E-05 | 3.14E-05 | 1.98E-06 | 5.12E-05 | 4.59E-04 | 3.47E-05 | 3.47E-05 | 1.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.65E-03 | 0.0 | 0.0 | 0.0 |
| | T | 6.88E-05 | 1.23E-06 | 2.31E-05 | 2.14E-05 | 3.14E-05 | 1.98E-06 | 5.12E-05 | 8.11E-03 | 3.47E-05 | 3.47E-05 | 1.44E-05 |
| LUNGS | G | 3.20E-05 | 1.67E-07 | 2.43E-05 | 1.82E-06 | 2.30E-06 | 5.99E-07 | 9.27E-06 | 3.79E-05 | 3.14E-04 | 3.14E-04 | 1.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-02 | 1.38E-02 | 0.0 |
| | T | 3.20E-05 | 1.67E-07 | 2.43E-05 | 1.82E-06 | 2.30E-06 | 5.99E-07 | 9.27E-06 | 3.79E-05 | 1.41E-02 | 1.41E-02 | 1.96E-05 |
| RESP LYM NODE | G | 3.20E-05 | 1.67E-07 | 2.43E-05 | 1.82E-06 | 2.30E-06 | 5.99E-07 | 9.27E-06 | 3.79E-05 | 2.98E-04 | 3.14E-04 | 1.96E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.33E-02 | 9.18E-01 | 0.0 |
| | T | 3.20E-05 | 1.67E-07 | 2.43E-05 | 1.82E-06 | 2.30E-06 | 5.99E-07 | 9.27E-06 | 3.79E-05 | 1.36E-02 | 9.18E-01 | 1.96E-05 |
| MUSCLE* | G | 2.08E-05 | 2.48E-05 | 1.95E-05 | 2.05E-05 | 1.97E-05 | 2.24E-05 | 1.92E-05 | 1.44E-05 | 1.96E-05 | 1.96E-05 | 2.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.92E-04 |
| | T | 2.08E-05 | 2.48E-05 | 1.95E-05 | 2.05E-05 | 1.97E-05 | 2.24E-05 | 1.92E-05 | 1.44E-05 | 1.96E-05 | 1.96E-05 | 5.13E-04 |
| OVARIES | G | 4.76E-06 | 9.38E-05 | 5.90E-06 | 1.61E-04 | 1.64E-04 | 2.90E-04 | 1.07E-05 | 4.20E-06 | 7.45E-07 | 7.45E-07 | 2.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.76E-06 | 9.38E-05 | 5.90E-06 | 1.61E-04 | 1.64E-04 | 2.90E-04 | 1.07E-05 | 4.20E-06 | 7.45E-07 | 7.45E-07 | 2.80E-05 |

62-SAMARIUM-153 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.24E-04 | 1.53E-06 | 2.90E-04 | 2.22E-05 | 2.39E-05 | 6.94E-06 | 8.56E-05 | 5.79E-05 | 3.36E-05 | 3.36E-05 | 2.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.24E-04 | 1.53E-06 | 2.90E-04 | 2.22E-05 | 2.39E-05 | 6.94E-06 | 8.56E-05 | 5.79E-05 | 3.36E-05 | 3.36E-05 | 2.62E-05 |
| SKELETON BONE | G | 3.63E-05 | 1.12E-05 | 1.32E-05 | 1.94E-05 | 1.75E-05 | 3.03E-05 | 2.38E-05 | 1.81E-05 | 2.69E-05 | 2.69E-05 | 1.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.63E-05 | 1.12E-05 | 1.32E-05 | 1.94E-05 | 1.75E-05 | 3.03E-05 | 2.38E-05 | 1.81E-05 | 2.69E-05 | 2.69E-05 | 1.12E-05 |
| R MARROW | G | 6.27E-05 | 2.97E-05 | 2.14E-05 | 6.99E-05 | 6.08E-05 | 1.06E-04 | 6.30E-05 | 2.31E-05 | 3.31E-05 | 3.31E-05 | 3.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.27E-05 | 2.97E-05 | 2.14E-05 | 6.99E-05 | 6.08E-05 | 1.06E-04 | 6.30E-05 | 2.31E-05 | 3.31E-05 | 3.31E-05 | 3.66E-05 |
| Y MARROW | G | 3.39E-05 | 1.12E-05 | 1.89E-05 | 2.73E-05 | 2.54E-05 | 3.94E-05 | 2.89E-05 | 2.79E-05 | 2.89E-05 | 2.89E-05 | 2.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.39E-05 | 1.12E-05 | 1.89E-05 | 2.73E-05 | 2.54E-05 | 3.94E-05 | 2.89E-05 | 2.79E-05 | 2.89E-05 | 2.89E-05 | 2.83E-05 |
| T E CL | G | 3.63E-05 | 1.12E-05 | 1.32E-05 | 1.94E-05 | 1.75E-05 | 3.03E-05 | 2.38E-05 | 1.81E-05 | 2.69E-05 | 2.69E-05 | 1.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.63E-05 | 1.12E-05 | 1.32E-05 | 1.94E-05 | 1.75E-05 | 3.03E-05 | 2.38E-05 | 1.81E-05 | 2.69E-05 | 2.69E-05 | 1.12E-05 |
| SKIN | G | 6.11E-06 | 6.50E-06 | 5.35E-06 | 4.34E-06 | 4.59E-06 | 5.35E-06 | 6.55E-06 | 5.61E-06 | 6.25E-06 | 6.25E-06 | 1.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.11E-06 | 6.50E-06 | 5.35E-06 | 4.34E-06 | 4.59E-06 | 5.35E-06 | 6.55E-06 | 5.61E-06 | 6.25E-06 | 6.25E-06 | 1.03E-05 |
| SPLEEN | G | 8.84E-05 | 6.36E-06 | 1.47E-04 | 1.60E-05 | 1.61E-05 | 8.67E-06 | 1.37E-04 | 9.12E-06 | 3.15E-05 | 3.15E-05 | 2.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.84E-05 | 6.36E-06 | 1.47E-04 | 1.60E-05 | 1.61E-05 | 8.67E-06 | 1.37E-04 | 9.12E-06 | 3.15E-05 | 3.15E-05 | 2.08E-05 |
| TESTES | G | 1.72E-07 | 6.45E-05 | 3.21E-07 | 2.35E-06 | 2.13E-06 | 2.08E-05 | 5.35E-07 | 3.71E-07 | 4.20E-08 | 4.20E-08 | 1.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.72E-07 | 6.45E-05 | 3.21E-07 | 2.35E-06 | 2.13E-06 | 2.08E-05 | 5.35E-07 | 3.71E-07 | 4.20E-08 | 4.20E-08 | 1.51E-05 |
| THYMUS | G | 4.05E-06 | 5.33E-08 | 3.28E-06 | 4.88E-07 | 6.59E-07 | 1.48E-07 | 1.71E-06 | 5.92E-06 | 5.76E-05 | 5.76E-05 | 2.83E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.05E-06 | 5.33E-08 | 3.28E-06 | 4.88E-07 | 6.59E-07 | 1.48E-07 | 1.71E-06 | 5.92E-06 | 5.76E-05 | 5.76E-05 | 2.83E-05 |
| THYROID | G | 7.88E-07 | 9.03E-09 | 5.15E-07 | 7.57E-08 | 8.45E-08 | 2.57E-08 | 2.71E-07 | 7.61E-07 | 8.99E-06 | 8.99E-06 | 2.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.88E-07 | 9.03E-09 | 5.15E-07 | 7.57E-08 | 8.45E-08 | 2.57E-08 | 2.71E-07 | 7.61E-07 | 8.99E-06 | 8.99E-06 | 2.04E-05 |
| UTERUS | G | 2.13E-06 | 2.51E-04 | 6.34E-06 | 1.44E-04 | 7.05E-05 | 9.12E-05 | 7.48E-06 | 3.43E-06 | 6.54E-07 | 6.54E-07 | 3.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.13E-06 | 2.51E-04 | 6.34E-06 | 1.44E-04 | 7.05E-05 | 9.12E-05 | 7.48E-06 | 3.43E-06 | 6.54E-07 | 6.54E-07 | 3.28E-05 |
| T BODY | G | 2.61E-05 | 2.84E-05 | 2.74E-05 | 3.02E-05 | 2.96E-05 | 2.99E-05 | 2.56E-05 | 2.65E-05 | 2.43E-05 | 2.43E-05 | 1.97E-05 |
| | B | 1.97E-04 | 2.21E-05 | 5.90E-05 | 1.57E-04 | 9.39E-05 | 1.17E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 |
| | T | 2.23E-04 | 5.05E-05 | 8.64E-05 | 1.88E-04 | 1.23E-04 | 1.46E-04 | 2.22E-04 | 2.23E-04 | 2.21E-04 | 2.21E-04 | 2.16E-04 |

CONTINUED NEXT PAGE

62-SAMARIUM-153 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.63E-06 | 1.26E-04 | 1.36E-05 | 1.36E-05 | 2.35E-05 | 1.10E-05 | 6.91E-06 | 8.83E-05 | 1.72E-07 | 7.88E-07 | 2.14E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 2.63E-06 | 1.26E-04 | 1.36E-05 | 1.36E-05 | 2.35E-05 | 1.10E-05 | 6.91E-06 | 8.83E-05 | 1.72E-07 | 7.88E-07 | 2.18E-04 |
| BLAD WALL | G | 9.84E-05 | 1.05E-06 | 5.11E-06 | 5.11E-06 | 1.13E-05 | 3.88E-06 | 5.77E-06 | 7.74E-07 | 6.35E-05 | 9.18E-09 | 2.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 9.84E-05 | 1.05E-06 | 5.11E-06 | 5.11E-06 | 1.13E-05 | 3.88E-06 | 5.77E-06 | 7.74E-07 | 6.35E-05 | 9.18E-09 | 2.23E-04 |
| GI TRACT S WALL | G | 7.91E-06 | 2.94E-04 | 5.67E-06 | 5.67E-06 | 9.31E-06 | 9.07E-06 | 6.86E-06 | 1.48E-04 | 2.23E-07 | 5.19E-07 | 2.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 7.91E-06 | 2.94E-04 | 5.67E-06 | 5.67E-06 | 9.31E-06 | 9.07E-06 | 6.86E-06 | 1.48E-04 | 2.23E-07 | 5.19E-07 | 2.20E-04 |
| SI+CONT | G | 1.93E-04 | 1.88E-05 | 8.43E-06 | 8.43E-06 | 3.01E-05 | 1.19E-05 | 4.87E-06 | 1.48E-05 | 2.93E-06 | 3.93E-08 | 2.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.93E-04 | 1.88E-05 | 8.43E-06 | 8.43E-06 | 3.01E-05 | 1.19E-05 | 4.87E-06 | 1.48E-05 | 2.93E-06 | 3.93E-08 | 2.26E-04 |
| ULI WALL | G | 1.79E-04 | 2.30E-05 | 7.39E-06 | 7.39E-06 | 2.45E-05 | 9.95E-06 | 5.48E-06 | 1.68E-05 | 2.46E-06 | 7.72E-08 | 2.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.79E-04 | 2.30E-05 | 7.39E-06 | 7.39E-06 | 2.45E-05 | 9.95E-06 | 5.48E-06 | 1.68E-05 | 2.46E-06 | 7.72E-08 | 2.25E-04 |
| LLI WALL | G | 2.46E-04 | 5.48E-06 | 1.21E-05 | 1.21E-05 | 3.80E-05 | 1.10E-05 | 5.08E-06 | 6.05E-06 | 3.33E-05 | 2.06E-08 | 2.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 2.46E-04 | 5.48E-06 | 1.21E-05 | 1.21E-05 | 3.80E-05 | 1.10E-05 | 5.08E-06 | 6.05E-06 | 3.33E-05 | 2.06E-08 | 2.24E-04 |
| KIDNEYS | G | 8.68E-06 | 8.77E-05 | 9.01E-06 | 9.01E-06 | 2.53E-05 | 1.18E-05 | 7.60E-06 | 1.42E-04 | 2.49E-07 | 2.27E-07 | 2.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 8.68E-06 | 8.77E-05 | 9.01E-06 | 9.01E-06 | 2.53E-05 | 1.18E-05 | 7.60E-06 | 1.42E-04 | 2.49E-07 | 2.27E-07 | 2.20E-04 |
| LIVER | G | 4.75E-06 | 5.81E-05 | 7.29E-06 | 7.29E-06 | 9.51E-06 | 1.16E-05 | 6.42E-06 | 9.39E-06 | 1.96E-07 | 7.15E-07 | 2.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 4.75E-06 | 5.81E-05 | 7.29E-06 | 7.29E-06 | 9.51E-06 | 1.16E-05 | 6.42E-06 | 9.39E-06 | 1.96E-07 | 7.15E-07 | 2.22E-04 |
| LUNGS | G | 4.40E-07 | 3.32E-05 | 1.18E-05 | 1.18E-05 | 1.38E-05 | 1.27E-05 | 7.63E-06 | 3.24E-05 | 2.59E-08 | 1.04E-05 | 2.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 4.40E-07 | 3.32E-05 | 1.18E-05 | 1.18E-05 | 1.38E-05 | 1.27E-05 | 7.63E-06 | 3.24E-05 | 2.59E-08 | 1.04E-05 | 2.20E-04 |
| RESP LYM NODE | G | 4.40E-07 | 3.32E-05 | 1.18E-05 | 1.18E-05 | 1.38E-05 | 1.27E-05 | 7.63E-06 | 3.24E-05 | 2.59E-08 | 1.04E-05 | 2.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 4.40E-07 | 3.32E-05 | 1.18E-05 | 1.18E-05 | 1.38E-05 | 1.27E-05 | 7.63E-06 | 3.24E-05 | 2.59E-08 | 1.04E-05 | 2.20E-04 |
| MUSCLE* | G | 2.80E-05 | 2.62E-05 | 1.12E-05 | 1.12E-05 | 1.39E-05 | 1.05E-05 | 1.03E-05 | 2.08E-05 | 1.51E-05 | 2.04E-05 | 1.97E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 2.80E-05 | 2.62E-05 | 1.12E-05 | 1.12E-05 | 1.39E-05 | 1.05E-05 | 1.03E-05 | 2.08E-05 | 1.51E-05 | 2.04E-05 | 2.16E-04 |
| OVARIES | G | 1.68E-02 | 4.25E-06 | 9.59E-06 | 9.59E-06 | 4.33E-05 | 1.51E-05 | 4.19E-06 | 3.24E-06 | 8.80E-46 | 2.27E-08 | 2.58E-05 |
| | B | 1.25E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.27E 00 | 4.25E-06 | 9.59E-06 | 9.59E-06 | 4.33E-05 | 1.51E-05 | 4.19E-06 | 3.24E-06 | 8.80E-46 | 2.27E-08 | 2.23E-04 |

62-SAMARIUM-153 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.19E-06 | 4.24E-03 | 8.45E-06 | 8.45E-06 | 1.85E-05 | 1.06E-05 | 4.20E-06 | 3.27E-04 | 3.04E-07 | 4.10E-07 | 2.79E-05 |
| | B | 0.0 | 1.38E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 4.19E-06 | 1.42E-01 | 8.45E-06 | 8.45E-06 | 1.85E-05 | 1.06E-05 | 4.20E-06 | 3.27E-04 | 3.04E-07 | 4.10E-07 | 2.25E-04 |
| SKELETON BONE | G | 2.58E-05 | 2.21E-05 | 1.04E-04 | 1.04E-04 | 6.72E-05 | 8.02E-05 | 1.87E-05 | 1.88E-05 | 1.12E-05 | 1.47E-05 | 3.90E-05 |
| | B | 0.0 | 0.0 | 2.75E-03 | 1.89E-03 | 5.75E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 2.58E-05 | 2.21E-05 | 2.86E-03 | 2.00E-03 | 6.42E-04 | 8.02E-05 | 1.87E-05 | 1.88E-05 | 1.12E-05 | 1.47E-05 | 2.36E-04 |
| R MARROW | G | 9.86E-05 | 4.17E-05 | 9.53E-05 | 9.53E-05 | 2.50E-04 | 8.14E-05 | 1.74E-05 | 2.50E-05 | 8.46E-06 | 1.54E-05 | 4.59E-05 |
| | B | 0.0 | 0.0 | 4.39E-05 | 2.88E-03 | 7.14E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 9.86E-05 | 4.17E-05 | 1.39E-04 | 2.97E-03 | 7.39E-03 | 8.14E-05 | 1.74E-05 | 2.50E-05 | 8.46E-06 | 1.54E-05 | 2.43E-04 |
| Y MARROW | G | 3.58E-05 | 2.51E-05 | 9.26E-05 | 9.26E-05 | 8.93E-05 | 1.54E-04 | 2.10E-05 | 2.90E-05 | 3.74E-06 | 7.37E-06 | 3.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.18E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 3.58E-05 | 2.51E-05 | 9.26E-05 | 9.26E-05 | 8.93E-05 | 9.33E-03 | 2.10E-05 | 2.90E-05 | 3.74E-06 | 7.37E-06 | 2.35E-04 |
| T E CL | G | 2.58E-05 | 2.21E-05 | 1.03E-04 | 1.03E-04 | 1.00E-04 | 9.41E-05 | 1.87E-05 | 1.88E-05 | 1.12E-05 | 1.47E-05 | 3.94E-05 |
| | B | 0.0 | 0.0 | 1.66E-03 | 3.06E-03 | 2.55E-03 | 2.29E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 2.58E-05 | 2.21E-05 | 1.76E-03 | 3.16E-03 | 2.65E-03 | 2.39E-03 | 1.87E-05 | 1.88E-05 | 1.12E-05 | 1.47E-05 | 2.36E-04 |
| SKIN | G | 4.07E-06 | 4.10E-06 | 7.35E-06 | 7.35E-06 | 6.48E-06 | 8.70E-06 | 3.78E-05 | 5.55E-06 | 2.20E-05 | 1.05E-05 | 1.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.30E-03 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 4.07E-06 | 4.10E-06 | 7.35E-06 | 7.35E-06 | 6.48E-06 | 8.70E-06 | 5.33E-03 | 5.55E-06 | 2.20E-05 | 1.05E-05 | 2.08E-04 |
| SPLEEN | G | 4.04E-06 | 3.29E-04 | 7.10E-06 | 7.10E-06 | 9.91E-06 | 1.21E-05 | 6.52E-06 | 2.49E-03 | 1.42E-07 | 7.49E-07 | 2.49E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.65E-02 | 0.0 | 0.0 | 1.97E-04 |
| | T | 4.04E-06 | 3.29E-04 | 7.10E-06 | 7.10E-06 | 9.91E-06 | 1.21E-05 | 6.52E-06 | 7.90E-02 | 1.42E-07 | 7.49E-07 | 2.22E-04 |
| TESTES | G | 8.80E-46 | 3.09E-07 | 6.33E-06 | 6.33E-06 | 4.59E-06 | 1.15E-05 | 1.42E-05 | 2.74E-07 | 7.00E-03 | 2.10E-09 | 1.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.93E-01 | 0.0 | 1.97E-04 |
| | T | 8.80E-46 | 3.09E-07 | 6.33E-06 | 6.33E-06 | 4.59E-06 | 1.15E-05 | 1.42E-05 | 2.74E-07 | 4.00E-01 | 2.10E-09 | 2.15E-04 |
| THYMUS | G | 1.39E-07 | 4.62E-06 | 5.81E-06 | 5.81E-06 | 9.31E-06 | 8.25E-06 | 6.65E-06 | 1.89E-06 | 1.13E-08 | 5.43E-05 | 2.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 1.39E-07 | 4.62E-06 | 5.81E-06 | 5.81E-06 | 9.31E-06 | 8.25E-06 | 6.65E-06 | 1.89E-06 | 1.13E-08 | 5.43E-05 | 2.21E-04 |
| THYROID | G | 2.27E-08 | 7.33E-07 | 8.37E-06 | 8.37E-06 | 6.68E-06 | 1.35E-05 | 9.89E-06 | 5.25E-07 | 2.10E-09 | 1.00E-02 | 1.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.88E-01 | 1.97E-04 |
| | T | 2.27E-08 | 7.33E-07 | 8.37E-06 | 8.37E-06 | 6.68E-06 | 1.35E-05 | 9.89E-06 | 5.25E-07 | 2.10E-09 | 6.98E-01 | 2.14E-04 |
| UTERUS | G | 3.21E-04 | 4.07E-06 | 5.67E-06 | 5.67E-06 | 2.32E-05 | 7.59E-06 | 4.75E-06 | 3.36E-06 | 8.80E-46 | 2.09E-08 | 2.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-04 |
| | T | 3.21E-04 | 4.07E-06 | 5.67E-06 | 5.67E-06 | 2.32E-05 | 7.59E-06 | 4.75E-06 | 3.36E-06 | 8.80E-46 | 2.09E-08 | 2.26E-04 |
| T BODY | G | 3.13E-05 | 3.08E-05 | 2.49E-05 | 2.49E-05 | 2.65E-05 | 2.24E-05 | 1.22E-05 | 2.65E-05 | 2.02E-05 | 2.01E-05 | 2.27E-05 |
| | B | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 |
| | T | 2.28E-04 | 2.27E-04 | 2.22E-04 | 2.22E-04 | 2.23E-04 | 2.19E-04 | 2.09E-04 | 2.23E-04 | 2.17E-04 | 2.17E-04 | 2.19E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-FUNKE, L. ET AL., NUCL. PHYS. 74, 145 (1965)
DATE DECAY DATA REVIEWED-NOVEMBER 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 63-EUROPIUM-154 (TR=8.500E 00 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 9.46E-02 | 5.07E-05 | 5.18E-04 | 2.41E-04 | 2.39E-04 | 9.99E-05 | 2.48E-03 | 9.63E-04 | 4.69E-04 | 4.69E-04 | 3.12E-04 |
| | B | 1.06E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.15E 00 | 5.07E-05 | 5.18E-04 | 2.41E-04 | 2.39E-04 | 9.99E-05 | 2.48E-03 | 9.63E-04 | 4.69E-04 | 4.69E-04 | 3.12E-04 |
| BLAD WALL | G | 4.76E-05 | 1.43E-02 | 9.68E-05 | 5.37E-04 | 4.06E-04 | 1.14E-03 | 9.22E-05 | 4.55E-05 | 1.84E-05 | 1.84E-05 | 3.60E-04 |
| | B | 0.0 | 3.71E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.76E-05 | 5.13E-02 | 9.68E-05 | 5.37E-04 | 4.06E-04 | 1.14E-03 | 9.22E-05 | 4.55E-05 | 1.84E-05 | 1.84E-05 | 3.60E-04 |
| GI TRACT S WALL | G | 5.88E-04 | 9.73E-05 | 1.04E-02 | 7.13E-04 | 7.12E-04 | 3.25E-04 | 6.52E-04 | 3.98E-04 | 3.96E-04 | 3.96E-04 | 2.87E-04 |
| | B | 0.0 | 0.0 | 2.97E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.88E-04 | 9.73E-05 | 4.00E-02 | 7.13E-04 | 7.12E-04 | 3.25E-04 | 6.52E-04 | 3.98E-04 | 3.96E-04 | 3.96E-04 | 2.87E-04 |
| SI+CONT | G | 2.00E-04 | 5.51E-04 | 5.13E-04 | 6.13E-03 | 3.20E-03 | 1.80E-03 | 5.71E-04 | 3.26E-04 | 6.40E-05 | 6.40E-05 | 3.14E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.85E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.00E-04 | 5.51E-04 | 5.13E-04 | 2.47E-02 | 3.20E-03 | 1.80E-03 | 5.71E-04 | 3.26E-04 | 6.40E-05 | 6.40E-05 | 3.14E-04 |
| ULI WALL | G | 2.18E-04 | 4.10E-04 | 6.62E-04 | 4.58E-03 | 8.68E-03 | 8.30E-04 | 5.85E-04 | 4.81E-04 | 8.42E-05 | 8.42E-05 | 3.33E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.37E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.18E-04 | 4.10E-04 | 6.62E-04 | 4.58E-03 | 4.24E-02 | 8.30E-04 | 5.85E-04 | 4.81E-04 | 8.42E-05 | 8.42E-05 | 3.33E-04 |
| LLI WALL | G | 6.11E-05 | 1.38E-03 | 2.80E-04 | 1.38E-03 | 6.44E-04 | 1.03E-02 | 1.86E-04 | 6.23E-05 | 1.76E-05 | 1.76E-05 | 3.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.50E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.11E-05 | 1.38E-03 | 2.80E-04 | 1.38E-03 | 6.44E-04 | 6.52E-02 | 1.86E-04 | 6.23E-05 | 1.76E-05 | 1.76E-05 | 3.44E-04 |
| KIDNEYS | G | 2.23E-03 | 8.09E-05 | 6.65E-04 | 6.29E-04 | 5.78E-04 | 1.89E-04 | 1.45E-02 | 7.54E-04 | 2.09E-04 | 2.09E-04 | 2.94E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.79E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.23E-03 | 8.09E-05 | 6.65E-04 | 6.29E-04 | 5.78E-04 | 1.89E-04 | 6.23E-02 | 7.54E-04 | 2.09E-04 | 2.09E-04 | 2.94E-04 |
| LIVER | G | 9.62E-04 | 6.06E-05 | 4.03E-04 | 3.78E-04 | 5.08E-04 | 8.11E-05 | 7.77E-04 | 5.12E-03 | 4.85E-04 | 4.85E-04 | 2.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.24E-03 | 0.0 | 0.0 | 0.0 |
| | T | 9.62E-04 | 6.06E-05 | 4.03E-04 | 3.78E-04 | 5.08E-04 | 8.11E-05 | 7.77E-04 | 1.34E-02 | 4.85E-04 | 4.85E-04 | 2.30E-04 |
| LUNGS | G | 4.86E-04 | 1.62E-05 | 3.64E-04 | 6.97E-05 | 8.32E-05 | 3.14E-05 | 2.00E-04 | 5.01E-04 | 2.93E-03 | 2.93E-03 | 2.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.48E-02 | 1.48E-02 | 0.0 |
| | T | 4.86E-04 | 1.62E-05 | 3.64E-04 | 6.97E-05 | 8.32E-05 | 3.14E-05 | 2.00E-04 | 5.01E-04 | 1.78E-02 | 1.78E-02 | 2.71E-04 |
| RESP LYM NODE | G | 4.86E-04 | 1.62E-05 | 3.64E-04 | 6.97E-05 | 8.32E-05 | 3.14E-05 | 2.00E-04 | 5.01E-04 | 2.92E-03 | 2.93E-03 | 2.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.47E-02 | 9.89E-01 | 0.0 |
| | T | 4.86E-04 | 1.62E-05 | 3.64E-04 | 6.97E-05 | 8.32E-05 | 3.14E-05 | 2.00E-04 | 5.01E-04 | 1.76E-02 | 9.92E-01 | 2.71E-04 |
| MUSCLE* | G | 3.12E-04 | 3.60E-04 | 2.89E-04 | 3.14E-04 | 3.02E-04 | 3.44E-04 | 2.94E-04 | 2.30E-04 | 2.71E-04 | 2.71E-04 | 3.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.30E-04 |
| | T | 3.12E-04 | 3.60E-04 | 2.89E-04 | 3.14E-04 | 3.02E-04 | 3.44E-04 | 2.94E-04 | 2.30E-04 | 2.71E-04 | 2.71E-04 | 8.40E-04 |
| OVARIES | G | 9.15E-05 | 1.12E-03 | 2.43E-04 | 1.95E-03 | 1.65E-03 | 3.42E-03 | 2.96E-04 | 1.49E-04 | 3.46E-05 | 3.46E-05 | 4.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.15E-05 | 1.12E-03 | 2.43E-04 | 1.95E-03 | 1.65E-03 | 3.42E-03 | 2.96E-04 | 1.49E-04 | 3.46E-05 | 3.46E-05 | 4.02E-04 |

63-EUROPIUM-154 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.76E-03 | 5.77E-05 | 3.39E-03 | 3.96E-04 | 4.19E-04 | 1.47E-04 | 1.37E-03 | 8.61E-04 | 4.83E-04 | 4.83E-04 | 3.62E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.76E-03 | 5.77E-05 | 3.39E-03 | 3.96E-04 | 4.19E-04 | 1.47E-04 | 1.37E-03 | 8.61E-04 | 4.83E-04 | 4.83E-04 | 3.62E-04 |
| SKELETON BONE | G | 2.86E-04 | 1.19E-04 | 1.25E-04 | 1.66E-04 | 1.48E-04 | 2.17E-04 | 2.05E-04 | 1.54E-04 | 2.08E-04 | 2.08E-04 | 2.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.86E-04 | 1.19E-04 | 1.25E-04 | 1.66E-04 | 1.48E-04 | 2.17E-04 | 2.05E-04 | 1.54E-04 | 2.08E-04 | 2.08E-04 | 2.28E-04 |
| R MARROW | G | 5.06E-04 | 2.52E-04 | 2.09E-04 | 5.20E-04 | 4.38E-04 | 6.50E-04 | 5.17E-04 | 2.18E-04 | 2.64E-04 | 2.64E-04 | 2.81E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.06E-04 | 2.52E-04 | 2.09E-04 | 5.20E-04 | 4.38E-04 | 6.50E-04 | 5.17E-04 | 2.18E-04 | 2.64E-04 | 2.64E-04 | 2.81E-04 |
| Y MARROW | G | 2.78E-04 | 1.10E-04 | 1.74E-04 | 2.29E-04 | 2.11E-04 | 2.68E-04 | 2.54E-04 | 2.29E-04 | 2.18E-04 | 2.18E-04 | 2.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.78E-04 | 1.10E-04 | 1.74E-04 | 2.29E-04 | 2.11E-04 | 2.68E-04 | 2.54E-04 | 2.29E-04 | 2.18E-04 | 2.18E-04 | 2.28E-04 |
| T E CL | G | 2.86E-04 | 1.19E-04 | 1.25E-04 | 1.66E-04 | 1.48E-04 | 2.17E-04 | 2.05E-04 | 1.54E-04 | 2.08E-04 | 2.08E-04 | 2.28E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.86E-04 | 1.19E-04 | 1.25E-04 | 1.66E-04 | 1.48E-04 | 2.17E-04 | 2.05E-04 | 1.54E-04 | 2.08E-04 | 2.08E-04 | 2.28E-04 |
| SKIN | G | 1.49E-04 | 1.42E-04 | 1.26E-04 | 1.18E-04 | 1.15E-04 | 1.29E-04 | 1.37E-04 | 1.28E-04 | 1.42E-04 | 1.42E-04 | 1.92E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.49E-04 | 1.42E-04 | 1.26E-04 | 1.18E-04 | 1.15E-04 | 1.29E-04 | 1.37E-04 | 1.28E-04 | 1.42E-04 | 1.42E-04 | 1.92E-04 |
| SPLEEN | G | 1.22E-03 | 5.46E-05 | 1.92E-03 | 3.23E-04 | 2.86E-04 | 2.09E-04 | 1.69E-03 | 2.19E-04 | 4.28E-04 | 4.28E-04 | 3.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.22E-03 | 5.46E-05 | 1.92E-03 | 3.23E-04 | 2.86E-04 | 2.09E-04 | 1.69E-03 | 2.19E-04 | 4.28E-04 | 4.28E-04 | 3.01E-04 |
| TESTES | G | 1.79E-05 | 9.62E-04 | 3.00E-05 | 1.06E-04 | 1.05E-04 | 3.30E-04 | 3.46E-05 | 4.16E-05 | 7.21E-06 | 7.21E-06 | 2.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.79E-05 | 9.62E-04 | 3.00E-05 | 1.06E-04 | 1.05E-04 | 3.30E-04 | 3.46E-05 | 4.16E-05 | 7.21E-06 | 7.21E-06 | 2.56E-04 |
| THYMUS | G | 1.35E-04 | 9.11E-06 | 1.44E-04 | 3.22E-05 | 3.49E-05 | 1.49E-05 | 4.13E-05 | 1.70E-04 | 8.53E-04 | 8.53E-04 | 3.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.35E-04 | 9.11E-06 | 1.44E-04 | 3.22E-05 | 3.49E-05 | 1.49E-05 | 4.13E-05 | 1.70E-04 | 8.53E-04 | 8.53E-04 | 3.42E-04 |
| THYROID | G | 4.57E-05 | 3.38E-06 | 3.48E-05 | 1.10E-05 | 1.16E-05 | 5.56E-06 | 2.30E-05 | 4.13E-05 | 2.52E-04 | 2.52E-04 | 2.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.57E-05 | 3.38E-06 | 3.48E-05 | 1.10E-05 | 1.16E-05 | 5.56E-06 | 2.30E-05 | 4.13E-05 | 2.52E-04 | 2.52E-04 | 2.80E-04 |
| UTERUS | G | 1.06E-04 | 2.92E-03 | 1.98E-04 | 1.72E-03 | 9.77E-04 | 1.16E-03 | 1.88E-04 | 9.40E-05 | 3.19E-05 | 3.19E-05 | 4.81E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-04 | 2.92E-03 | 1.98E-04 | 1.72E-03 | 9.77E-04 | 1.16E-03 | 1.88E-04 | 9.40E-05 | 3.19E-05 | 3.19E-05 | 4.81E-04 |
| T BODY | G | 3.44E-04 | 3.78E-04 | 3.61E-04 | 3.97E-04 | 3.89E-04 | 3.86E-04 | 3.46E-04 | 3.46E-04 | 2.95E-04 | 2.95E-04 | 2.96E-04 |
| | B | 2.12E-04 | 2.38E-05 | 6.36E-05 | 1.70E-04 | 1.01E-04 | 1.26E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 |
| | T | 5.56E-04 | 4.02E-04 | 4.25E-04 | 5.66E-04 | 4.90E-04 | 5.12E-04 | 5.58E-04 | 5.58E-04 | 5.07E-04 | 5.07E-04 | 5.08E-04 |

CONTINUED NEXT PAGE

63-EUROPIUM-154 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.13E-04 | 1.49E-03 | 3.78E-04 | 3.78E-04 | 5.30E-04 | 1.69E-04 | 1.69E-04 | 1.39E-03 | 1.79E-05 | 4.42E-05 | 4.41E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.13E-04 | 1.49E-03 | 3.78E-04 | 3.78E-04 | 5.30E-04 | 1.69E-04 | 1.69E-04 | 1.39E-03 | 1.79E-05 | 4.42E-05 | 6.53E-04 |
| BLAD WALL | G | 1.41E-03 | 3.73E-05 | 1.13E-04 | 1.13E-04 | 2.22E-04 | 7.13E-05 | 1.58E-04 | 6.22E-05 | 1.04E-03 | 3.40E-06 | 4.01E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.41E-03 | 3.73E-05 | 1.13E-04 | 1.13E-04 | 2.22E-04 | 7.13E-05 | 1.58E-04 | 6.22E-05 | 1.04E-03 | 3.40E-06 | 6.13E-04 |
| GI TRACT S WALL | G | 1.71E-04 | 3.42E-03 | 1.15E-04 | 1.15E-04 | 2.34E-04 | 1.55E-04 | 1.36E-04 | 1.94E-03 | 1.95E-05 | 3.01E-05 | 3.32E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.71E-04 | 3.42E-03 | 1.15E-04 | 1.15E-04 | 2.34E-04 | 1.55E-04 | 1.36E-04 | 1.94E-03 | 1.95E-05 | 3.01E-05 | 5.43E-04 |
| SI+CONT | G | 2.29E-03 | 3.68E-04 | 1.67E-04 | 1.67E-04 | 5.22E-04 | 2.11E-04 | 1.22E-04 | 2.90E-04 | 1.10E-04 | 7.96E-06 | 3.97E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 2.29E-03 | 3.68E-04 | 1.67E-04 | 1.67E-04 | 5.22E-04 | 2.11E-04 | 1.22E-04 | 2.90E-04 | 1.10E-04 | 7.96E-06 | 6.09E-04 |
| ULI WALL | G | 2.16E-03 | 4.46E-04 | 1.56E-04 | 1.56E-04 | 3.90E-04 | 1.85E-04 | 1.29E-04 | 2.91E-04 | 7.99E-05 | 9.13E-06 | 3.77E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 2.16E-03 | 4.46E-04 | 1.56E-04 | 1.56E-04 | 3.90E-04 | 1.85E-04 | 1.29E-04 | 2.91E-04 | 7.99E-05 | 9.13E-06 | 5.89E-04 |
| LLI WALL | G | 2.74E-03 | 1.23E-04 | 2.13E-04 | 2.13E-04 | 5.99E-04 | 1.77E-04 | 1.32E-04 | 1.33E-04 | 4.97E-04 | 4.81E-06 | 3.98E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 2.74E-03 | 1.23E-04 | 2.13E-04 | 2.13E-04 | 5.99E-04 | 1.77E-04 | 1.32E-04 | 1.33E-04 | 4.97E-04 | 4.81E-06 | 6.09E-04 |
| KIDNEYS | G | 2.23E-04 | 1.23E-03 | 2.26E-04 | 2.26E-04 | 4.91E-04 | 2.39E-04 | 1.57E-04 | 1.68E-03 | 2.96E-05 | 2.51E-05 | 3.57E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 2.23E-04 | 1.23E-03 | 2.26E-04 | 2.26E-04 | 4.91E-04 | 2.39E-04 | 1.57E-04 | 1.68E-03 | 2.96E-05 | 2.51E-05 | 5.69E-04 |
| LIVER | G | 1.33E-04 | 8.20E-04 | 1.49E-04 | 1.49E-04 | 2.08E-04 | 2.27E-04 | 1.39E-04 | 2.20E-04 | 2.07E-05 | 3.97E-05 | 3.59E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.33E-04 | 8.20E-04 | 1.49E-04 | 1.49E-04 | 2.08E-04 | 2.27E-04 | 1.39E-04 | 2.20E-04 | 2.07E-05 | 3.97E-05 | 5.71E-04 |
| LUNGS | G | 3.13E-05 | 4.70E-04 | 2.03E-04 | 2.03E-04 | 2.52E-04 | 2.12E-04 | 1.47E-04 | 4.33E-04 | 6.39E-06 | 2.29E-04 | 2.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 3.13E-05 | 4.70E-04 | 2.03E-04 | 2.03E-04 | 2.52E-04 | 2.12E-04 | 1.47E-04 | 4.33E-04 | 6.39E-06 | 2.29E-04 | 5.02E-04 |
| RESP LYM NODE | G | 3.13E-05 | 4.70E-04 | 2.03E-04 | 2.03E-04 | 2.52E-04 | 2.12E-04 | 1.47E-04 | 4.33E-04 | 6.39E-06 | 2.29E-04 | 2.90E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 3.13E-05 | 4.70E-04 | 2.03E-04 | 2.03E-04 | 2.52E-04 | 2.12E-04 | 1.47E-04 | 4.33E-04 | 6.39E-06 | 2.29E-04 | 5.02E-04 |
| MUSCLE* | G | 4.02E-04 | 3.62E-04 | 2.28E-04 | 2.28E-04 | 2.67E-04 | 2.10E-04 | 1.92E-04 | 3.01E-04 | 2.56E-04 | 2.80E-04 | 2.96E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 4.02E-04 | 3.62E-04 | 2.28E-04 | 2.28E-04 | 2.67E-04 | 2.10E-04 | 1.92E-04 | 3.01E-04 | 2.56E-04 | 2.80E-04 | 5.08E-04 |
| OVARIES | G | 1.55E-01 | 1.74E-04 | 1.95E-04 | 1.95E-04 | 6.20E-04 | 1.98E-04 | 1.14E-04 | 1.29E-04 | 5.97E-46 | 5.70E-06 | 3.24E-04 |
| | B | 1.35E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.50E 00 | 1.74E-04 | 1.95E-04 | 1.95E-04 | 6.20E-04 | 1.98E-04 | 1.14E-04 | 1.29E-04 | 5.97E-46 | 5.70E-06 | 5.36E-04 |

63-EUROPIUM-154 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 1.60E-04 | 4.28E-02 | 2.09E-04 | 2.09E-04 | 2.63E-04 | 2.20E-04 | 1.07E-04 | 3.68E-03 | 2.11E-05 | 3.18E-05 | 3.40E-04 |
| | B | 0.0 | 1.48E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.60E-04 | 1.91E-01 | 2.09E-04 | 2.09E-04 | 2.63E-04 | 2.20E-04 | 1.07E-04 | 3.68E-03 | 2.11E-05 | 3.18E-05 | 5.52E-04 |
| SKELETON BONE | G | 1.93E-04 | 1.92E-04 | 7.24E-04 | 7.24E-04 | 4.80E-04 | 5.39E-04 | 1.82E-04 | 1.63E-04 | 1.38E-04 | 1.57E-04 | 3.07E-04 |
| | B | 0.0 | 0.0 | 2.97E-03 | 1.98E-03 | 6.59E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.93E-04 | 1.92E-04 | 3.69E-03 | 2.70E-03 | 1.14E-03 | 5.39E-04 | 1.82E-04 | 1.63E-04 | 1.38E-04 | 1.57E-04 | 5.19E-04 |
| R MARROW | G | 6.36E-04 | 3.58E-04 | 6.54E-04 | 6.54E-04 | 1.54E-03 | 5.54E-04 | 1.70E-04 | 2.37E-04 | 1.08E-04 | 1.70E-04 | 3.40E-04 |
| | B | 0.0 | 0.0 | 9.11E-05 | 3.29E-03 | 7.45E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 6.36E-04 | 3.58E-04 | 7.45E-04 | 3.95E-03 | 8.99E-03 | 5.54E-04 | 1.70E-04 | 2.37E-04 | 1.08E-04 | 1.70E-04 | 5.52E-04 |
| Y MARROW | G | 2.56E-04 | 2.25E-04 | 6.25E-04 | 6.25E-04 | 5.96E-04 | 9.23E-04 | 1.94E-04 | 2.43E-04 | 5.98E-05 | 8.49E-05 | 2.87E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.89E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 2.56E-04 | 2.25E-04 | 6.25E-04 | 6.25E-04 | 5.96E-04 | 1.08E-02 | 1.94E-04 | 2.43E-04 | 5.98E-05 | 8.49E-05 | 4.99E-04 |
| T E CL | G | 1.93E-04 | 1.92E-04 | 7.23E-04 | 7.23E-04 | 6.51E-04 | 5.98E-04 | 1.82E-04 | 1.63E-04 | 1.38E-04 | 1.57E-04 | 3.07E-04 |
| | B | 0.0 | 0.0 | 1.81E-03 | 3.21E-03 | 2.81E-03 | 2.47E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.93E-04 | 1.92E-04 | 2.53E-03 | 3.93E-03 | 3.46E-03 | 3.07E-03 | 1.82E-04 | 1.63E-04 | 1.38E-04 | 1.57E-04 | 5.19E-04 |
| SKIN | G | 1.14E-04 | 1.13E-04 | 1.78E-04 | 1.78E-04 | 1.56E-04 | 1.95E-04 | 4.29E-04 | 1.32E-04 | 3.25E-04 | 1.88E-04 | 1.95E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.71E-03 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.14E-04 | 1.13E-04 | 1.78E-04 | 1.78E-04 | 1.56E-04 | 1.95E-04 | 6.14E-03 | 1.32E-04 | 3.25E-04 | 1.88E-04 | 4.07E-04 |
| SPLEEN | G | 1.23E-04 | 3.70E-03 | 1.67E-04 | 1.67E-04 | 2.05E-04 | 2.34E-04 | 1.49E-04 | 2.60E-02 | 1.53E-05 | 3.96E-05 | 3.49E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.24E-02 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.23E-04 | 3.70E-03 | 1.67E-04 | 1.67E-04 | 2.05E-04 | 2.34E-04 | 1.49E-04 | 1.08E-01 | 1.53E-05 | 3.96E-05 | 5.61E-04 |
| TESTES | G | 5.97E-46 | 2.42E-05 | 1.40E-04 | 1.40E-04 | 7.78E-05 | 1.91E-04 | 1.93E-04 | 2.32E-05 | 7.24E-02 | 1.49E-06 | 3.46E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.24E-01 | 0.0 | 2.12E-04 |
| | T | 5.97E-46 | 2.42E-05 | 1.40E-04 | 1.40E-04 | 7.78E-05 | 1.91E-04 | 1.93E-04 | 2.32E-05 | 4.96E-01 | 1.49E-06 | 5.58E-04 |
| THYMUS | G | 1.58E-05 | 1.17E-04 | 1.50E-04 | 1.50E-04 | 1.53E-04 | 1.10E-04 | 1.49E-04 | 1.09E-04 | 3.83E-06 | 8.22E-04 | 3.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 1.58E-05 | 1.17E-04 | 1.50E-04 | 1.50E-04 | 1.53E-04 | 1.10E-04 | 1.49E-04 | 1.09E-04 | 3.83E-06 | 8.22E-04 | 5.19E-04 |
| THYROID | G | 5.70E-06 | 2.11E-05 | 1.57E-04 | 1.57E-04 | 1.79E-04 | 1.26E-04 | 1.54E-04 | 3.40E-05 | 1.49E-06 | 9.82E-02 | 3.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.42E-01 | 2.12E-04 |
| | T | 5.70E-06 | 2.11E-05 | 1.57E-04 | 1.57E-04 | 1.79E-04 | 1.26E-04 | 1.54E-04 | 3.40E-05 | 1.49E-06 | 8.40E-01 | 5.14E-04 |
| UTERUS | G | 3.45E-03 | 1.24E-04 | 1.64E-04 | 1.64E-04 | 3.50E-04 | 1.28E-04 | 1.44E-04 | 1.02E-04 | 5.97E-46 | 5.45E-06 | 4.37E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12E-04 |
| | T | 3.45E-03 | 1.24E-04 | 1.64E-04 | 1.64E-04 | 3.50E-04 | 1.28E-04 | 1.44E-04 | 1.02E-04 | 5.97E-46 | 5.45E-06 | 6.49E-04 |
| T BODY | G | 4.04E-04 | 3.95E-04 | 2.97E-04 | 2.97E-04 | 3.27E-04 | 2.64E-04 | 1.94E-04 | 3.45E-04 | 2.94E-04 | 2.68E-04 | 2.96E-04 |
| | B | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 |
| | T | 6.16E-04 | 6.07E-04 | 5.09E-04 | 5.09E-04 | 5.39E-04 | 4.76E-04 | 4.06E-04 | 5.57E-04 | 5.06E-04 | 4.80E-04 | 5.08E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-MEYERS, R. A., PHYS. REV. 170, 1089 (1968)
DATE DECAY DATA REVIEWED-MAY 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 63-EUROPIUM-155 (TR=4.960E 00 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 7.73E-03 | 1.25E-06 | 3.64E-05 | 8.58E-06 | 1.10E-05 | 3.18E-06 | 1.69E-04 | 5.86E-05 | 3.50E-05 | 3.50E-05 | 1.97E-05 |
| | B | 2.34E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.42E-01 | 1.25E-06 | 3.64E-05 | 8.58E-06 | 1.10E-05 | 3.18E-06 | 1.69E-04 | 5.86E-05 | 3.50E-05 | 3.50E-05 | 1.97E-05 |
| BLAD WALL | G | 1.36E-06 | 1.13E-03 | 3.07E-06 | 3.23E-05 | 2.68E-05 | 9.49E-05 | 2.61E-06 | 1.56E-06 | 2.85E-07 | 2.85E-07 | 2.47E-05 |
| | B | 0.0 | 8.21E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.36E-06 | 9.34E-03 | 3.07E-06 | 3.23E-05 | 2.68E-05 | 9.49E-05 | 2.61E-06 | 1.56E-06 | 2.85E-07 | 2.85E-07 | 2.47E-05 |
| GI TRACT S WALL | G | 3.64E-05 | 2.75E-06 | 8.16E-04 | 4.95E-05 | 5.41E-05 | 2.31E-05 | 4.73E-05 | 2.40E-05 | 2.53E-05 | 2.53E-05 | 1.77E-05 |
| | B | 0.0 | 0.0 | 6.57E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.64E-05 | 2.75E-06 | 7.38E-03 | 4.95E-05 | 5.41E-05 | 2.31E-05 | 4.73E-05 | 2.40E-05 | 2.53E-05 | 2.53E-05 | 1.77E-05 |
| SI+CONT | G | 9.04E-06 | 3.84E-05 | 3.55E-05 | 4.84E-04 | 2.56E-04 | 1.40E-04 | 3.70E-05 | 2.00E-05 | 1.91E-06 | 1.91E-06 | 2.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 4.10E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.04E-06 | 3.84E-05 | 3.55E-05 | 4.59E-03 | 2.56E-04 | 1.40E-04 | 3.70E-05 | 2.00E-05 | 1.91E-06 | 1.91E-06 | 2.08E-05 |
| ULI WALL | G | 1.06E-05 | 2.63E-05 | 4.97E-05 | 3.67E-04 | 6.60E-04 | 5.98E-05 | 3.61E-05 | 3.39E-05 | 2.32E-06 | 2.32E-06 | 2.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.46E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.06E-05 | 2.63E-05 | 4.97E-05 | 3.67E-04 | 8.12E-03 | 5.98E-05 | 3.61E-05 | 3.39E-05 | 2.32E-06 | 2.32E-06 | 2.16E-05 |
| LLI WALL | G | 2.22E-06 | 1.08E-04 | 1.43E-05 | 1.10E-04 | 4.48E-05 | 7.71E-04 | 7.27E-06 | 2.25E-06 | 4.86E-07 | 4.86E-07 | 2.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.22E-06 | 1.08E-04 | 1.43E-05 | 1.10E-04 | 4.48E-05 | 1.29E-02 | 7.27E-06 | 2.25E-06 | 4.86E-07 | 4.86E-07 | 2.28E-05 |
| KIDNEYS | G | 1.60E-04 | 2.59E-06 | 4.57E-05 | 4.10E-05 | 3.69E-05 | 9.35E-06 | 1.13E-03 | 5.43E-05 | 9.98E-06 | 9.98E-06 | 1.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.60E-04 | 2.59E-06 | 4.57E-05 | 4.10E-05 | 3.69E-05 | 9.35E-06 | 1.17E-02 | 5.43E-05 | 9.98E-06 | 9.98E-06 | 1.86E-05 |
| LIVER | G | 6.89E-05 | 1.49E-06 | 2.56E-05 | 2.32E-05 | 3.35E-05 | 2.41E-06 | 5.31E-05 | 3.98E-04 | 3.44E-05 | 3.44E-05 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.82E-03 | 0.0 | 0.0 | 0.0 |
| | T | 6.89E-05 | 1.49E-06 | 2.56E-05 | 2.32E-05 | 3.35E-05 | 2.41E-06 | 5.31E-05 | 2.22E-03 | 3.44E-05 | 3.44E-05 | 1.45E-05 |
| LUNGS | G | 3.30E-05 | 2.12E-07 | 2.48E-05 | 2.19E-06 | 2.76E-06 | 7.46E-07 | 1.05E-05 | 3.70E-05 | 2.53E-04 | 2.53E-04 | 1.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.28E-03 | 3.28E-03 | 0.0 |
| | T | 3.30E-05 | 2.12E-07 | 2.48E-05 | 2.19E-06 | 2.76E-06 | 7.46E-07 | 1.05E-05 | 3.70E-05 | 3.54E-03 | 3.54E-03 | 1.85E-05 |
| RESP LYM NODE | G | 3.30E-05 | 2.12E-07 | 2.48E-05 | 2.19E-06 | 2.76E-06 | 7.46E-07 | 1.05E-05 | 3.70E-05 | 2.42E-04 | 2.53E-04 | 1.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.91E-03 | 2.19E-01 | 0.0 |
| | T | 3.30E-05 | 2.12E-07 | 2.48E-05 | 2.19E-06 | 2.76E-06 | 7.46E-07 | 1.05E-05 | 3.70E-05 | 3.15E-03 | 2.19E-01 | 1.85E-05 |
| MUSCLE* | G | 1.97E-05 | 2.47E-05 | 1.94E-05 | 2.08E-05 | 2.01E-05 | 2.28E-05 | 1.86E-05 | 1.45E-05 | 1.85E-05 | 1.85E-05 | 1.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-04 |
| | T | 1.97E-05 | 2.47E-05 | 1.94E-05 | 2.08E-05 | 2.01E-05 | 2.28E-05 | 1.86E-05 | 1.45E-05 | 1.85E-05 | 1.85E-05 | 1.37E-04 |
| OVARIES | G | 6.13E-06 | 9.77E-05 | 6.77E-06 | 1.59E-04 | 1.61E-04 | 2.59E-04 | 1.25E-05 | 4.95E-06 | 8.80E-07 | 8.80E-07 | 2.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.13E-06 | 9.77E-05 | 6.77E-06 | 1.59E-04 | 1.61E-04 | 2.59E-04 | 1.25E-05 | 4.95E-06 | 8.80E-07 | 8.80E-07 | 2.74E-05 |

63-EUROPIUM-155 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.28E-04 | 1.90E-06 | 2.75E-04 | 2.52E-05 | 2.74E-05 | 8.33E-06 | 8.96E-05 | 6.05E-05 | 3.54E-05 | 3.54E-05 | 2.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-04 | 1.90E-06 | 2.75E-04 | 2.52E-05 | 2.74E-05 | 8.33E-06 | 8.96E-05 | 6.05E-05 | 3.54E-05 | 3.54E-05 | 2.53E-05 |
| SKELETON BONE | G | 3.52E-05 | 1.28E-05 | 1.40E-05 | 2.02E-05 | 1.82E-05 | 2.91E-05 | 2.41E-05 | 1.84E-05 | 2.62E-05 | 2.62E-05 | 1.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.52E-05 | 1.28E-05 | 1.40E-05 | 2.02E-05 | 1.82E-05 | 2.91E-05 | 2.41E-05 | 1.84E-05 | 2.62E-05 | 2.62E-05 | 1.19E-05 |
| R MARROW | G | 6.20E-05 | 3.31E-05 | 2.35E-05 | 7.15E-05 | 6.18E-05 | 9.81E-05 | 6.37E-05 | 2.46E-05 | 3.27E-05 | 3.27E-05 | 3.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.20E-05 | 3.31E-05 | 2.35E-05 | 7.15E-05 | 6.18E-05 | 9.81E-05 | 6.37E-05 | 2.46E-05 | 3.27E-05 | 3.27E-05 | 3.51E-05 |
| Y MARROW | G | 3.31E-05 | 1.26E-05 | 1.99E-05 | 2.85E-05 | 2.64E-05 | 3.73E-05 | 2.93E-05 | 2.80E-05 | 2.77E-05 | 2.77E-05 | 2.67E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.31E-05 | 1.26E-05 | 1.99E-05 | 2.85E-05 | 2.64E-05 | 3.73E-05 | 2.93E-05 | 2.80E-05 | 2.77E-05 | 2.77E-05 | 2.67E-05 |
| T E CL | G | 3.52E-05 | 1.28E-05 | 1.40E-05 | 2.02E-05 | 1.82E-05 | 2.91E-05 | 2.41E-05 | 1.84E-05 | 2.62E-05 | 2.62E-05 | 1.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.52E-05 | 1.28E-05 | 1.40E-05 | 2.02E-05 | 1.82E-05 | 2.91E-05 | 2.41E-05 | 1.84E-05 | 2.62E-05 | 2.62E-05 | 1.19E-05 |
| SKIN | G | 6.23E-06 | 6.92E-06 | 5.59E-06 | 4.78E-06 | 4.96E-06 | 5.80E-06 | 6.62E-06 | 5.91E-06 | 6.48E-06 | 6.48E-06 | 9.73E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.23E-06 | 6.92E-06 | 5.59E-06 | 4.78E-06 | 4.96E-06 | 5.80E-06 | 6.62E-06 | 5.91E-06 | 6.48E-06 | 6.48E-06 | 9.73E-06 |
| SPLEEN | G | 8.84E-05 | 8.67E-06 | 1.47E-04 | 1.80E-05 | 1.83E-05 | 9.97E-06 | 1.29E-04 | 1.06E-05 | 3.15E-05 | 3.15E-05 | 2.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.84E-05 | 8.67E-06 | 1.47E-04 | 1.80E-05 | 1.83E-05 | 9.97E-06 | 1.29E-04 | 1.06E-05 | 3.15E-05 | 3.15E-05 | 2.02E-05 |
| TESTES | G | 2.15E-07 | 6.75E-05 | 4.08E-07 | 2.90E-06 | 2.54E-06 | 2.20E-05 | 6.75E-07 | 4.64E-07 | 4.92E-08 | 4.92E-08 | 1.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.15E-07 | 6.75E-05 | 4.08E-07 | 2.90E-06 | 2.54E-06 | 2.20E-05 | 6.75E-07 | 4.64E-07 | 4.92E-08 | 4.92E-08 | 1.51E-05 |
| THYMUS | G | 4.76E-06 | 6.42E-08 | 3.71E-06 | 6.16E-07 | 8.45E-07 | 1.84E-07 | 2.10E-06 | 7.02E-06 | 6.02E-05 | 6.02E-05 | 2.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.76E-06 | 6.42E-08 | 3.71E-06 | 6.16E-07 | 8.45E-07 | 1.84E-07 | 2.10E-06 | 7.02E-06 | 6.02E-05 | 6.02E-05 | 2.63E-05 |
| THYROID | G | 9.96E-07 | 9.86E-09 | 6.43E-07 | 9.24E-08 | 1.04E-07 | 3.03E-08 | 3.40E-07 | 9.59E-07 | 1.07E-05 | 1.07E-05 | 1.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.96E-07 | 9.86E-09 | 6.43E-07 | 9.24E-08 | 1.04E-07 | 3.03E-08 | 3.40E-07 | 9.59E-07 | 1.07E-05 | 1.07E-05 | 1.88E-05 |
| UTERUS | G | 2.62E-06 | 2.42E-04 | 7.76E-06 | 1.43E-04 | 7.63E-05 | 9.65E-05 | 9.09E-06 | 4.16E-06 | 7.91E-07 | 7.91E-07 | 3.21E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.62E-06 | 2.42E-04 | 7.76E-06 | 1.43E-04 | 7.63E-05 | 9.65E-05 | 9.09E-06 | 4.16E-06 | 7.91E-07 | 7.91E-07 | 3.21E-05 |
| T BODY | G | 2.48E-05 | 2.73E-05 | 2.61E-05 | 2.92E-05 | 2.85E-05 | 2.87E-05 | 2.44E-05 | 2.51E-05 | 2.26E-05 | 2.26E-05 | 1.85E-05 |
| | B | 4.69E-05 | 5.28E-06 | 1.41E-05 | 3.75E-05 | 2.24E-05 | 2.78E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 |
| | T | 7.17E-05 | 3.25E-05 | 4.02E-05 | 6.67E-05 | 5.09E-05 | 5.65E-05 | 7.13E-05 | 7.20E-05 | 6.95E-05 | 6.95E-05 | 6.54E-05 |

CONTINUED NEXT PAGE

63-EUROPIUM-155 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 3.17E-06 | 1.31E-04 | 1.41E-05 | 1.41E-05 | 2.50E-05 | 1.18E-05 | 7.22E-06 | 8.80E-05 | 2.15E-07 | 9.96E-07 | 2.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 3.17E-06 | 1.31E-04 | 1.41E-05 | 1.41E-05 | 2.50E-05 | 1.18E-05 | 7.22E-06 | 8.80E-05 | 2.15E-07 | 9.96E-07 | 6.80E-05 |
| BLAD WALL | G | 1.03E-04 | 1.32E-06 | 6.05E-06 | 6.05E-06 | 1.30E-05 | 4.53E-06 | 5.96E-06 | 9.18E-07 | 6.61E-05 | 1.00E-08 | 2.52E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 1.03E-04 | 1.32E-06 | 6.05E-06 | 6.05E-06 | 1.30E-05 | 4.53E-06 | 5.96E-06 | 9.18E-07 | 6.61E-05 | 1.00E-08 | 7.21E-05 |
| GI TRACT S WALL | G | 9.34E-06 | 2.71E-04 | 6.36E-06 | 6.36E-06 | 1.04E-05 | 1.01E-05 | 7.12E-06 | 1.49E-04 | 2.50E-07 | 5.92E-07 | 2.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 9.34E-06 | 2.71E-04 | 6.36E-06 | 6.36E-06 | 1.04E-05 | 1.01E-05 | 7.12E-06 | 1.49E-04 | 2.50E-07 | 5.92E-07 | 6.94E-05 |
| SI+CONT | G | 1.83E-04 | 2.16E-05 | 9.16E-06 | 9.16E-06 | 3.27E-05 | 1.31E-05 | 5.36E-06 | 1.70E-05 | 3.51E-06 | 4.98E-08 | 2.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 1.83E-04 | 2.16E-05 | 9.16E-06 | 9.16E-06 | 3.27E-05 | 1.31E-05 | 5.36E-06 | 1.70E-05 | 3.51E-06 | 4.98E-08 | 7.47E-05 |
| ULI WALL | G | 1.64E-04 | 2.60E-05 | 8.14E-06 | 8.14E-06 | 2.64E-05 | 1.10E-05 | 5.93E-06 | 1.91E-05 | 2.98E-06 | 1.01E-07 | 2.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 1.64E-04 | 2.60E-05 | 8.14E-06 | 8.14E-06 | 2.64E-05 | 1.10E-05 | 5.93E-06 | 1.91E-05 | 2.98E-06 | 1.01E-07 | 7.42E-05 |
| LLI WALL | G | 2.24E-04 | 6.47E-06 | 1.29E-05 | 1.29E-05 | 3.89E-05 | 1.16E-05 | 5.65E-06 | 7.02E-06 | 3.58E-05 | 2.42E-08 | 2.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 2.24E-04 | 6.47E-06 | 1.29E-05 | 1.29E-05 | 3.89E-05 | 1.16E-05 | 5.65E-06 | 7.02E-06 | 3.58E-05 | 2.42E-08 | 7.31E-05 |
| KIDNEYS | G | 1.02E-05 | 9.15E-05 | 9.79E-06 | 9.79E-06 | 2.76E-05 | 1.29E-05 | 7.57E-06 | 1.36E-04 | 3.00E-07 | 2.89E-07 | 2.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 1.02E-05 | 9.15E-05 | 9.79E-06 | 9.79E-06 | 2.76E-05 | 1.29E-05 | 7.57E-06 | 1.36E-04 | 3.00E-07 | 2.89E-07 | 6.94E-05 |
| LIVER | G | 5.66E-06 | 6.07E-05 | 7.97E-06 | 7.97E-06 | 1.07E-05 | 1.25E-05 | 6.74E-06 | 1.10E-05 | 2.44E-07 | 8.55E-07 | 2.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 5.66E-06 | 6.07E-05 | 7.97E-06 | 7.97E-06 | 1.07E-05 | 1.25E-05 | 6.74E-06 | 1.10E-05 | 2.44E-07 | 8.55E-07 | 7.08E-05 |
| LUNGS | G | 5.38E-07 | 3.50E-05 | 1.24E-05 | 1.24E-05 | 1.47E-05 | 1.30E-05 | 7.75E-06 | 3.24E-05 | 3.09E-08 | 1.17E-05 | 2.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 5.38E-07 | 3.50E-05 | 1.24E-05 | 1.24E-05 | 1.47E-05 | 1.30E-05 | 7.75E-06 | 3.24E-05 | 3.09E-08 | 1.17E-05 | 6.85E-05 |
| RESP LYM NODE | G | 5.38E-07 | 3.50E-05 | 1.24E-05 | 1.24E-05 | 1.47E-05 | 1.30E-05 | 7.75E-06 | 3.24E-05 | 3.09E-08 | 1.17E-05 | 2.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 5.38E-07 | 3.50E-05 | 1.24E-05 | 1.24E-05 | 1.47E-05 | 1.30E-05 | 7.75E-06 | 3.24E-05 | 3.09E-08 | 1.17E-05 | 6.85E-05 |
| MUSCLE* | G | 2.74E-05 | 2.53E-05 | 1.19E-05 | 1.19E-05 | 1.47E-05 | 1.09E-05 | 9.73E-06 | 2.02E-05 | 1.51E-05 | 1.88E-05 | 1.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 2.74E-05 | 2.53E-05 | 1.19E-05 | 1.19E-05 | 1.47E-05 | 1.09E-05 | 9.73E-06 | 2.02E-05 | 1.51E-05 | 1.88E-05 | 6.54E-05 |
| OVARIES | G | 1.31E-02 | 5.13E-06 | 9.60E-06 | 9.60E-06 | 4.83E-05 | 1.81E-05 | 4.45E-06 | 3.61E-06 | 6.83E-46 | 2.64E-08 | 2.50E-05 |
| | B | 2.98E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 3.11E-01 | 5.13E-06 | 9.60E-06 | 9.60E-06 | 4.83E-05 | 1.81E-05 | 4.45E-06 | 3.61E-06 | 6.83E-46 | 2.64E-08 | 7.19E-05 |

63-EUROPIUM-155 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 5.20E-06 | 3.37E-03 | 9.24E-06 | 9.24E-06 | 2.11E-05 | 1.20E-05 | 4.52E-06 | 2.98E-04 | 3.95E-07 | 5.10E-07 | 2.66E-05 |
| | B | 0.0 | 3.28E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 5.20E-06 | 3.62E-02 | 9.24E-06 | 9.24E-06 | 2.11E-05 | 1.20E-05 | 4.52E-06 | 2.98E-04 | 3.95E-07 | 5.10E-07 | 7.35E-05 |
| SKELETON BONE | G | 2.62E-05 | 2.34E-05 | 8.86E-05 | 8.86E-05 | 5.75E-05 | 6.68E-05 | 1.75E-05 | 1.91E-05 | 1.27E-05 | 1.57E-05 | 3.59E-05 |
| | B | 0.0 | 0.0 | 6.57E-04 | 6.02E-04 | 3.66E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 2.62E-05 | 2.34E-05 | 7.45E-04 | 6.90E-04 | 9.41E-05 | 6.68E-05 | 1.75E-05 | 1.91E-05 | 1.27E-05 | 1.57E-05 | 8.28E-05 |
| R MARROW | G | 9.83E-05 | 4.44E-05 | 8.05E-05 | 8.05E-05 | 2.06E-04 | 6.84E-05 | 1.64E-05 | 2.64E-05 | 9.74E-06 | 1.67E-05 | 4.26E-05 |
| | B | 0.0 | 0.0 | 1.43E-06 | 1.83E-04 | 2.06E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 9.83E-05 | 4.44E-05 | 8.19E-05 | 2.64E-04 | 2.27E-03 | 6.84E-05 | 1.64E-05 | 2.64E-05 | 9.74E-06 | 1.67E-05 | 8.95E-05 |
| Y MARROW | G | 3.62E-05 | 2.67E-05 | 7.69E-05 | 7.69E-05 | 7.48E-05 | 1.24E-04 | 1.91E-05 | 2.93E-05 | 4.35E-06 | 7.90E-06 | 3.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.19E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 3.62E-05 | 2.67E-05 | 7.69E-05 | 7.69E-05 | 7.48E-05 | 2.31E-03 | 1.91E-05 | 2.93E-05 | 4.35E-06 | 7.90E-06 | 8.13E-05 |
| T E CL | G | 2.62E-05 | 2.34E-05 | 8.75E-05 | 8.75E-05 | 8.39E-05 | 7.74E-05 | 1.75E-05 | 1.91E-05 | 1.27E-05 | 1.57E-05 | 3.61E-05 |
| | B | 0.0 | 0.0 | 2.60E-04 | 5.45E-04 | 7.31E-04 | 5.47E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 2.62E-05 | 2.34E-05 | 3.48E-04 | 6.33E-04 | 8.15E-04 | 6.24E-04 | 1.75E-05 | 1.91E-05 | 1.27E-05 | 1.57E-05 | 8.30E-05 |
| SKIN | G | 4.60E-06 | 4.62E-06 | 7.69E-06 | 7.69E-06 | 6.79E-06 | 8.92E-06 | 3.03E-05 | 5.82E-06 | 1.97E-05 | 9.89E-06 | 1.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E-03 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 4.60E-06 | 4.62E-06 | 7.69E-06 | 7.69E-06 | 6.79E-06 | 8.92E-06 | 1.29E-03 | 5.82E-06 | 1.97E-05 | 9.89E-06 | 5.71E-05 |
| SPLEEN | G | 4.88E-06 | 3.04E-04 | 7.34E-06 | 7.34E-06 | 1.12E-05 | 1.32E-05 | 6.91E-06 | 2.03E-03 | 1.55E-07 | 9.46E-07 | 2.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.82E-02 | 0.0 | 0.0 | 4.69E-05 |
| | T | 4.88E-06 | 3.04E-04 | 7.34E-06 | 7.34E-06 | 1.12E-05 | 1.32E-05 | 6.91E-06 | 2.03E-02 | 1.55E-07 | 9.46E-07 | 7.03E-05 |
| TESTES | G | 6.83E-46 | 3.97E-07 | 7.38E-06 | 7.38E-06 | 5.63E-06 | 1.32E-05 | 1.25E-05 | 3.44E-07 | 5.53E-03 | 1.97E-09 | 1.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.38E-02 | 0.0 | 4.69E-05 |
| | T | 6.83E-46 | 3.97E-07 | 7.38E-06 | 7.38E-06 | 5.63E-06 | 1.32E-05 | 1.25E-05 | 3.44E-07 | 9.93E-02 | 1.97E-09 | 6.37E-05 |
| THYMUS | G | 1.73E-07 | 5.41E-06 | 6.59E-06 | 6.59E-06 | 1.08E-05 | 8.87E-06 | 7.15E-06 | 2.35E-06 | 1.25E-08 | 5.77E-05 | 2.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 1.73E-07 | 5.41E-06 | 6.59E-06 | 6.59E-06 | 1.08E-05 | 8.87E-06 | 7.15E-06 | 2.35E-06 | 1.25E-08 | 5.77E-05 | 6.96E-05 |
| THYROID | G | 2.63E-08 | 9.29E-07 | 8.98E-06 | 8.98E-06 | 7.59E-06 | 1.53E-05 | 9.31E-06 | 6.62E-07 | 1.97E-09 | 7.88E-03 | 1.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.64E-01 | 4.69E-05 |
| | T | 2.63E-08 | 9.29E-07 | 8.98E-06 | 8.98E-06 | 7.59E-06 | 1.53E-05 | 9.31E-06 | 6.62E-07 | 1.97E-09 | 1.72E-01 | 6.20E-05 |
| UTERUS | G | 3.09E-04 | 4.93E-06 | 6.31E-06 | 6.31E-06 | 2.62E-05 | 8.51E-06 | 5.24E-06 | 4.18E-06 | 6.83E-46 | 2.42E-08 | 2.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.69E-05 |
| | T | 3.09E-04 | 4.93E-06 | 6.31E-06 | 6.31E-06 | 2.62E-05 | 8.51E-06 | 5.24E-06 | 4.18E-06 | 6.83E-46 | 2.42E-08 | 7.58E-05 |
| T BODY | G | 3.02E-05 | 2.97E-05 | 2.31E-05 | 2.31E-05 | 2.49E-05 | 2.04E-05 | 1.14E-05 | 2.51E-05 | 1.91E-05 | 1.86E-05 | 2.12E-05 |
| | B | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 | 4.69E-05 |
| | T | 7.71E-05 | 7.66E-05 | 7.00E-05 | 7.00E-05 | 7.18E-05 | 6.73E-05 | 5.82E-05 | 7.20E-05 | 6.60E-05 | 6.55E-05 | 6.81E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-MEYER, R. A. AND MEADOWS, J. W. T., NUCL. PHYS. A132, 177 (1969)
DATE DECAY DATA REVIEWED-FEBRUARY 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 64-GADOLINIUM-153 (TR=2.420E 02 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.77E-02 | 1.49E-06 | 5.18E-05 | 1.18E-05 | 1.54E-05 | 4.08E-06 | 2.98E-04 | 9.92E-05 | 5.22E-05 | 5.22E-05 | 3.45E-05 |
| | B | 1.62E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.80E-01 | 1.49E-06 | 5.18E-05 | 1.18E-05 | 1.54E-05 | 4.08E-06 | 2.98E-04 | 9.92E-05 | 5.22E-05 | 5.22E-05 | 3.45E-05 |
| BLAD WALL | G | 1.62E-06 | 2.27E-03 | 3.85E-06 | 4.75E-05 | 3.80E-05 | 1.49E-04 | 3.18E-06 | 1.90E-06 | 3.55E-07 | 3.55E-07 | 4.08E-05 |
| | B | 0.0 | 5.67E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.62E-06 | 7.94E-03 | 3.85E-06 | 4.75E-05 | 3.80E-05 | 1.49E-04 | 3.18E-06 | 1.90E-06 | 3.55E-07 | 3.55E-07 | 4.08E-05 |
| GI TRACT S WALL | G | 5.31E-05 | 3.43E-06 | 1.62E-03 | 7.78E-05 | 9.04E-05 | 3.50E-05 | 6.98E-05 | 3.60E-05 | 4.06E-05 | 4.06E-05 | 3.02E-05 |
| | B | 0.0 | 0.0 | 4.54E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.31E-05 | 3.43E-06 | 6.16E-03 | 7.78E-05 | 9.04E-05 | 3.50E-05 | 6.98E-05 | 3.60E-05 | 4.06E-05 | 4.06E-05 | 3.02E-05 |
| SI+CONT | G | 1.19E-05 | 5.54E-05 | 5.30E-05 | 9.47E-04 | 4.63E-04 | 2.48E-04 | 5.46E-05 | 2.90E-05 | 2.43E-06 | 2.43E-06 | 3.36E-05 |
| | B | 0.0 | 0.0 | 0.0 | 2.84E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.19E-05 | 5.54E-05 | 5.30E-05 | 3.78E-03 | 4.63E-04 | 2.48E-04 | 5.46E-05 | 2.90E-05 | 2.43E-06 | 2.43E-06 | 3.36E-05 |
| ULI WALL | G | 1.42E-05 | 3.77E-05 | 8.03E-05 | 7.10E-04 | 1.31E-03 | 1.04E-04 | 5.31E-05 | 5.22E-05 | 3.02E-06 | 3.02E-06 | 3.54E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 5.16E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.42E-05 | 3.77E-05 | 8.03E-05 | 7.10E-04 | 6.47E-03 | 1.04E-04 | 5.31E-05 | 5.22E-05 | 3.02E-06 | 3.02E-06 | 3.54E-05 |
| LLI WALL | G | 2.81E-06 | 1.74E-04 | 2.06E-05 | 1.97E-04 | 7.34E-05 | 1.57E-03 | 9.88E-06 | 2.79E-06 | 6.03E-07 | 6.03E-07 | 3.68E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.40E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.81E-06 | 1.74E-04 | 2.06E-05 | 1.97E-04 | 7.34E-05 | 9.97E-03 | 9.88E-06 | 2.79E-06 | 6.03E-07 | 6.03E-07 | 3.68E-05 |
| KIDNEYS | G | 2.85E-04 | 3.21E-06 | 6.85E-05 | 5.98E-05 | 5.42E-05 | 1.29E-05 | 2.40E-03 | 8.55E-05 | 1.41E-05 | 1.41E-05 | 3.17E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.32E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.85E-04 | 3.21E-06 | 6.85E-05 | 5.98E-05 | 5.42E-05 | 1.29E-05 | 9.72E-03 | 8.55E-05 | 1.41E-05 | 1.41E-05 | 3.17E-05 |
| LIVER | G | 1.13E-04 | 1.88E-06 | 3.73E-05 | 3.46E-05 | 5.11E-05 | 3.05E-06 | 8.39E-05 | 7.80E-04 | 5.73E-05 | 5.73E-05 | 2.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E-03 | 0.0 | 0.0 | 0.0 |
| | T | 1.13E-04 | 1.88E-06 | 3.73E-05 | 3.46E-05 | 5.11E-05 | 3.05E-06 | 8.39E-05 | 2.04E-03 | 5.73E-05 | 5.73E-05 | 2.37E-05 |
| LUNGS | G | 5.25E-05 | 2.47E-07 | 4.00E-05 | 2.82E-06 | 3.59E-06 | 9.21E-07 | 1.49E-05 | 6.29E-05 | 5.45E-04 | 5.45E-04 | 3.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27E-03 | 2.27E-03 | 0.0 |
| | T | 5.25E-05 | 2.47E-07 | 4.00E-05 | 2.82E-06 | 3.59E-06 | 9.21E-07 | 1.49E-05 | 6.29E-05 | 2.81E-03 | 2.81E-03 | 3.27E-05 |
| RESP LYM NODE | G | 5.25E-05 | 2.47E-07 | 4.00E-05 | 2.82E-06 | 3.59E-06 | 9.21E-07 | 1.49E-05 | 6.29E-05 | 5.13E-04 | 5.45E-04 | 3.27E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.68E-03 | 1.51E-01 | 0.0 |
| | T | 5.25E-05 | 2.47E-07 | 4.00E-05 | 2.82E-06 | 3.59E-06 | 9.21E-07 | 1.49E-05 | 6.29E-05 | 2.19E-03 | 1.52E-01 | 3.27E-05 |
| MUSCLE* | G | 3.45E-05 | 4.08E-05 | 3.21E-05 | 3.36E-05 | 3.24E-05 | 3.68E-05 | 3.17E-05 | 2.37E-05 | 3.27E-05 | 3.27E-05 | 3.59E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.10E-05 |
| | T | 3.45E-05 | 4.08E-05 | 3.21E-05 | 3.36E-05 | 3.24E-05 | 3.68E-05 | 3.17E-05 | 2.37E-05 | 3.27E-05 | 3.27E-05 | 1.17E-04 |
| OVARIES | G | 7.37E-06 | 1.54E-04 | 9.47E-06 | 2.68E-04 | 2.71E-04 | 4.87E-04 | 1.69E-05 | 6.73E-06 | 1.15E-06 | 1.15E-06 | 4.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.37E-06 | 1.54E-04 | 9.47E-06 | 2.68E-04 | 2.71E-04 | 4.87E-04 | 1.69E-05 | 6.73E-06 | 1.15E-06 | 1.15E-06 | 4.63E-05 |

64-GADOLINIUM-153 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 2.04E-04 | 2.33E-06 | 4.83E-04 | 3.56E-05 | 3.84E-05 | 1.10E-05 | 1.40E-04 | 9.48E-05 | 5.48E-05 | 5.48E-05 | 4.34E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.04E-04 | 2.33E-06 | 4.83E-04 | 3.56E-05 | 3.84E-05 | 1.10E-05 | 1.40E-04 | 9.48E-05 | 5.48E-05 | 5.48E-05 | 4.34E-05 |
| SKELETON BONE | G | 6.07E-05 | 1.83E-05 | 2.17E-05 | 3.21E-05 | 2.90E-05 | 5.08E-05 | 3.95E-05 | 3.01E-05 | 4.50E-05 | 4.50E-05 | 1.82E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.07E-05 | 1.83E-05 | 2.17E-05 | 3.21E-05 | 2.90E-05 | 5.08E-05 | 3.95E-05 | 3.01E-05 | 4.50E-05 | 4.50E-05 | 1.82E-05 |
| R MARROW | G | 1.05E-04 | 4.86E-05 | 3.50E-05 | 1.16E-04 | 1.01E-04 | 1.79E-04 | 1.05E-04 | 3.81E-05 | 5.52E-05 | 5.52E-05 | 6.13E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.05E-04 | 4.86E-05 | 3.50E-05 | 1.16E-04 | 1.01E-04 | 1.79E-04 | 1.05E-04 | 3.81E-05 | 5.52E-05 | 5.52E-05 | 6.13E-05 |
| Y MARROW | G | 5.67E-05 | 1.83E-05 | 3.11E-05 | 4.53E-05 | 4.20E-05 | 6.63E-05 | 4.79E-05 | 4.65E-05 | 4.85E-05 | 4.85E-05 | 4.75E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.67E-05 | 1.83E-05 | 3.11E-05 | 4.53E-05 | 4.20E-05 | 6.63E-05 | 4.79E-05 | 4.65E-05 | 4.85E-05 | 4.85E-05 | 4.75E-05 |
| T E CL | G | 6.07E-05 | 1.83E-05 | 2.17E-05 | 3.21E-05 | 2.90E-05 | 5.08E-05 | 3.95E-05 | 3.01E-05 | 4.50E-05 | 4.50E-05 | 1.82E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.07E-05 | 1.83E-05 | 2.17E-05 | 3.21E-05 | 2.90E-05 | 5.08E-05 | 3.95E-05 | 3.01E-05 | 4.50E-05 | 4.50E-05 | 1.82E-05 |
| SKIN | G | 9.93E-06 | 1.05E-05 | 8.68E-06 | 6.94E-06 | 7.38E-06 | 8.61E-06 | 1.07E-05 | 9.09E-06 | 1.01E-05 | 1.01E-05 | 1.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.93E-06 | 1.05E-05 | 8.68E-06 | 6.94E-06 | 7.38E-06 | 8.61E-06 | 1.07E-05 | 9.09E-06 | 1.01E-05 | 1.01E-05 | 1.71E-05 |
| SPLEEN | G | 1.46E-04 | 1.00E-05 | 2.42E-04 | 2.57E-05 | 2.60E-05 | 1.39E-05 | 2.28E-04 | 1.45E-05 | 5.18E-05 | 5.18E-05 | 3.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.46E-04 | 1.00E-05 | 2.42E-04 | 2.57E-05 | 2.60E-05 | 1.39E-05 | 2.28E-04 | 1.45E-05 | 5.18E-05 | 5.18E-05 | 3.45E-05 |
| TESTES | G | 2.46E-07 | 1.06E-04 | 4.95E-07 | 3.63E-06 | 3.24E-06 | 3.37E-05 | 7.92E-07 | 5.43E-07 | 5.81E-08 | 5.81E-08 | 2.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.46E-07 | 1.06E-04 | 4.95E-07 | 3.63E-06 | 3.24E-06 | 3.37E-05 | 7.92E-07 | 5.43E-07 | 5.81E-08 | 5.81E-08 | 2.48E-05 |
| THYMUS | G | 6.27E-06 | 7.26E-08 | 5.30E-06 | 7.22E-07 | 9.89E-07 | 2.12E-07 | 2.62E-06 | 9.16E-06 | 9.46E-05 | 9.46E-05 | 4.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.27E-06 | 7.26E-08 | 5.30E-06 | 7.22E-07 | 9.89E-07 | 2.12E-07 | 2.62E-06 | 9.16E-06 | 9.46E-05 | 9.46E-05 | 4.73E-05 |
| THYROID | G | 1.18E-06 | 1.09E-08 | 7.60E-07 | 1.05E-07 | 1.18E-07 | 3.41E-08 | 3.94E-07 | 1.13E-06 | 1.42E-05 | 1.42E-05 | 3.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.18E-06 | 1.09E-08 | 7.60E-07 | 1.05E-07 | 1.18E-07 | 3.41E-08 | 3.94E-07 | 1.13E-06 | 1.42E-05 | 1.42E-05 | 3.41E-05 |
| UTERUS | G | 2.90E-06 | 4.18E-04 | 9.87E-06 | 2.38E-04 | 1.15E-04 | 1.49E-04 | 1.17E-05 | 5.38E-06 | 1.02E-06 | 1.02E-06 | 5.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.90E-06 | 4.18E-04 | 9.87E-06 | 2.38E-04 | 1.15E-04 | 1.49E-04 | 1.17E-05 | 5.38E-06 | 1.02E-06 | 1.02E-06 | 5.44E-05 |
| T BODY | G | 4.37E-05 | 4.73E-05 | 4.57E-05 | 5.04E-05 | 4.93E-05 | 4.98E-05 | 4.28E-05 | 4.44E-05 | 4.08E-05 | 4.08E-05 | 3.28E-05 |
| | B | 3.24E-05 | 3.65E-06 | 9.72E-06 | 2.59E-05 | 1.55E-05 | 1.92E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 |
| | T | 7.61E-05 | 5.09E-05 | 5.54E-05 | 7.63E-05 | 6.47E-05 | 6.90E-05 | 7.52E-05 | 7.68E-05 | 7.32E-05 | 7.32E-05 | 6.52E-05 |

CONTINUED NEXT PAGE

64-GADOLINIUM-153 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 4.03E-06 | 2.07E-04 | 2.21E-05 | 2.21E-05 | 3.81E-05 | 1.77E-05 | 1.12E-05 | 1.46E-04 | 2.46E-07 | 1.18E-06 | 3.51E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 4.03E-06 | 2.07E-04 | 2.21E-05 | 2.21E-05 | 3.81E-05 | 1.77E-05 | 1.12E-05 | 1.46E-04 | 2.46E-07 | 1.18E-06 | 6.76E-05 |
| BLAD WALL | G | 1.61E-04 | 1.61E-06 | 8.08E-06 | 8.08E-06 | 1.82E-05 | 6.21E-06 | 9.36E-06 | 1.19E-06 | 1.04E-04 | 1.11E-08 | 4.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 1.61E-04 | 1.61E-06 | 8.08E-06 | 8.08E-06 | 1.82E-05 | 6.21E-06 | 9.36E-06 | 1.19E-06 | 1.04E-04 | 1.11E-08 | 7.61E-05 |
| GI TRACT S WALL | G | 1.26E-05 | 4.91E-04 | 9.09E-06 | 9.09E-06 | 1.49E-05 | 1.47E-05 | 1.12E-05 | 2.45E-04 | 3.22E-07 | 8.08E-07 | 3.97E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 1.26E-05 | 4.91E-04 | 9.09E-06 | 9.09E-06 | 1.49E-05 | 1.47E-05 | 1.12E-05 | 2.45E-04 | 3.22E-07 | 8.08E-07 | 7.21E-05 |
| SI+CONT | G | 3.21E-04 | 3.00E-05 | 1.36E-05 | 1.36E-05 | 4.87E-05 | 1.93E-05 | 7.82E-06 | 2.37E-05 | 4.53E-06 | 5.72E-08 | 4.80E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 3.21E-04 | 3.00E-05 | 1.36E-05 | 1.36E-05 | 4.87E-05 | 1.93E-05 | 7.82E-06 | 2.37E-05 | 4.53E-06 | 5.72E-08 | 8.04E-05 |
| ULI WALL | G | 2.99E-04 | 3.69E-05 | 1.19E-05 | 1.19E-05 | 3.97E-05 | 1.60E-05 | 8.85E-06 | 2.72E-05 | 3.84E-06 | 1.17E-07 | 4.74E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 2.99E-04 | 3.69E-05 | 1.19E-05 | 1.19E-05 | 3.97E-05 | 1.60E-05 | 8.85E-06 | 2.72E-05 | 3.84E-06 | 1.17E-07 | 7.98E-05 |
| LLI WALL | G | 4.12E-04 | 8.71E-06 | 1.98E-05 | 1.98E-05 | 6.22E-05 | 1.80E-05 | 8.14E-06 | 9.62E-06 | 5.41E-05 | 2.71E-08 | 4.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 4.12E-04 | 8.71E-06 | 1.98E-05 | 1.98E-05 | 6.22E-05 | 1.80E-05 | 8.14E-06 | 9.62E-06 | 5.41E-05 | 2.71E-08 | 7.84E-05 |
| KIDNEYS | G | 1.37E-05 | 1.44E-04 | 1.45E-05 | 1.45E-05 | 4.10E-05 | 1.89E-05 | 1.25E-05 | 2.36E-04 | 3.61E-07 | 3.40E-07 | 3.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 1.37E-05 | 1.44E-04 | 1.45E-05 | 1.45E-05 | 4.10E-05 | 1.89E-05 | 1.25E-05 | 2.36E-04 | 3.61E-07 | 3.40E-07 | 7.13E-05 |
| LIVER | G | 7.47E-06 | 9.52E-05 | 1.18E-05 | 1.18E-05 | 1.52E-05 | 1.88E-05 | 1.04E-05 | 1.49E-05 | 2.92E-07 | 1.09E-06 | 4.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 7.47E-06 | 9.52E-05 | 1.18E-05 | 1.18E-05 | 1.52E-05 | 1.88E-05 | 1.04E-05 | 1.49E-05 | 2.92E-07 | 1.09E-06 | 7.46E-05 |
| LUNGS | G | 6.65E-07 | 5.44E-05 | 1.92E-05 | 1.92E-05 | 2.24E-05 | 2.08E-05 | 1.25E-05 | 5.35E-05 | 3.49E-08 | 1.67E-05 | 3.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 6.65E-07 | 5.44E-05 | 1.92E-05 | 1.92E-05 | 2.24E-05 | 2.08E-05 | 1.25E-05 | 5.35E-05 | 3.49E-08 | 1.67E-05 | 7.18E-05 |
| RESP LYM NODE | G | 6.65E-07 | 5.44E-05 | 1.92E-05 | 1.92E-05 | 2.24E-05 | 2.08E-05 | 1.25E-05 | 5.35E-05 | 3.49E-08 | 1.67E-05 | 3.94E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 6.65E-07 | 5.44E-05 | 1.92E-05 | 1.92E-05 | 2.24E-05 | 2.08E-05 | 1.25E-05 | 5.35E-05 | 3.49E-08 | 1.67E-05 | 7.18E-05 |
| MUSCLE* | G | 4.63E-05 | 4.34E-05 | 1.82E-05 | 1.82E-05 | 2.26E-05 | 1.72E-05 | 1.71E-05 | 3.45E-05 | 2.48E-05 | 3.41E-05 | 3.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 4.63E-05 | 4.34E-05 | 1.82E-05 | 1.82E-05 | 2.26E-05 | 1.72E-05 | 1.71E-05 | 3.45E-05 | 2.48E-05 | 3.41E-05 | 6.52E-05 |
| OVARIES | G | 3.00E-02 | 6.75E-06 | 1.57E-05 | 1.57E-05 | 7.02E-05 | 2.42E-05 | 6.81E-06 | 4.92E-06 | 1.79E-45 | 2.95E-08 | 4.30E-05 |
| | B | 2.06E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 2.36E-01 | 6.75E-06 | 1.57E-05 | 1.57E-05 | 7.02E-05 | 2.42E-05 | 6.81E-06 | 4.92E-06 | 1.79E-45 | 2.95E-08 | 7.54E-05 |

64-GADOLINIUM-153 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 6.51E-06 | 7.42E-03 | 1.36E-05 | 1.36E-05 | 2.98E-05 | 1.68E-05 | 6.69E-06 | 5.49E-04 | 4.59E-07 | 6.23E-07 | 4.66E-05 |
| | B | 0.0 | 2.27E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 6.51E-06 | 3.01E-02 | 1.36E-05 | 1.36E-05 | 2.98E-05 | 1.68E-05 | 6.69E-06 | 5.49E-04 | 4.59E-07 | 6.23E-07 | 7.90E-05 |
| SKELETON BONE | G | 4.29E-05 | 3.65E-05 | 1.79E-04 | 1.79E-04 | 1.15E-04 | 1.38E-04 | 3.14E-05 | 3.13E-05 | 1.82E-05 | 2.41E-05 | 6.59E-05 |
| | B | 0.0 | 0.0 | 4.54E-04 | 4.12E-04 | 2.80E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 4.29E-05 | 3.65E-05 | 6.33E-04 | 5.91E-04 | 1.43E-04 | 1.38E-04 | 3.14E-05 | 3.13E-05 | 1.82E-05 | 2.41E-05 | 9.83E-05 |
| R MARROW | G | 1.65E-04 | 6.88E-05 | 1.63E-04 | 1.63E-04 | 4.33E-04 | 1.39E-04 | 2.91E-05 | 4.12E-05 | 1.37E-05 | 2.52E-05 | 7.75E-05 |
| | B | 0.0 | 0.0 | 1.16E-06 | 1.40E-04 | 1.42E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 1.65E-04 | 6.88E-05 | 1.64E-04 | 3.03E-04 | 1.85E-03 | 1.39E-04 | 2.91E-05 | 4.12E-05 | 1.37E-05 | 2.52E-05 | 1.10E-04 |
| Y MARROW | G | 5.96E-05 | 4.14E-05 | 1.59E-04 | 1.59E-04 | 1.53E-04 | 2.68E-04 | 3.54E-05 | 4.83E-05 | 6.02E-06 | 1.21E-05 | 6.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 5.96E-05 | 4.14E-05 | 1.59E-04 | 1.59E-04 | 1.53E-04 | 1.78E-03 | 3.54E-05 | 4.83E-05 | 6.02E-06 | 1.21E-05 | 9.69E-05 |
| T E CL | G | 4.29E-05 | 3.65E-05 | 1.76E-04 | 1.76E-04 | 1.74E-04 | 1.63E-04 | 3.14E-05 | 3.13E-05 | 1.82E-05 | 2.41E-05 | 6.65E-05 |
| | B | 0.0 | 0.0 | 1.76E-04 | 3.66E-04 | 5.12E-04 | 3.78E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 4.29E-05 | 3.65E-05 | 3.52E-04 | 5.42E-04 | 6.86E-04 | 5.41E-04 | 3.14E-05 | 3.13E-05 | 1.82E-05 | 2.41E-05 | 9.89E-05 |
| SKIN | G | 6.46E-06 | 6.54E-06 | 1.19E-05 | 1.19E-05 | 1.05E-05 | 1.41E-05 | 6.75E-05 | 8.98E-06 | 3.69E-05 | 1.73E-05 | 1.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.73E-04 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 6.46E-06 | 6.54E-06 | 1.19E-05 | 1.19E-05 | 1.05E-05 | 1.41E-05 | 9.40E-04 | 8.98E-06 | 3.69E-05 | 1.73E-05 | 5.05E-05 |
| SPLEEN | G | 6.26E-06 | 5.51E-04 | 1.15E-05 | 1.15E-05 | 1.59E-05 | 1.96E-05 | 1.06E-05 | 4.31E-03 | 1.89E-07 | 1.14E-06 | 4.15E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26E-02 | 0.0 | 0.0 | 3.24E-05 |
| | T | 6.26E-06 | 5.51E-04 | 1.15E-05 | 1.15E-05 | 1.59E-05 | 1.96E-05 | 1.06E-05 | 1.69E-02 | 1.89E-07 | 1.14E-06 | 7.40E-05 |
| TESTES | G | 1.79E-45 | 4.61E-07 | 1.01E-05 | 1.01E-05 | 7.26E-06 | 1.84E-05 | 2.39E-05 | 3.98E-07 | 1.23E-02 | 2.14E-09 | 3.00E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.48E-02 | 0.0 | 3.24E-05 |
| | T | 1.79E-45 | 4.61E-07 | 1.01E-05 | 1.01E-05 | 7.26E-06 | 1.84E-05 | 2.39E-05 | 3.98E-07 | 7.71E-02 | 2.14E-09 | 6.24E-05 |
| THYMUS | G | 1.98E-07 | 7.27E-06 | 9.26E-06 | 9.26E-06 | 1.50E-05 | 1.35E-05 | 1.07E-05 | 2.82E-06 | 1.39E-08 | 8.85E-05 | 4.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 1.98E-07 | 7.27E-06 | 9.26E-06 | 9.26E-06 | 1.50E-05 | 1.35E-05 | 1.07E-05 | 2.82E-06 | 1.39E-08 | 8.85E-05 | 7.28E-05 |
| THYROID | G | 2.95E-08 | 1.10E-06 | 1.34E-05 | 1.34E-05 | 1.06E-05 | 2.20E-05 | 1.64E-05 | 7.76E-07 | 2.14E-09 | 1.77E-02 | 2.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13E-01 | 3.24E-05 |
| | T | 2.95E-08 | 1.10E-06 | 1.34E-05 | 1.34E-05 | 1.06E-05 | 2.20E-05 | 1.64E-05 | 7.76E-07 | 2.14E-09 | 1.31E-01 | 6.12E-05 |
| UTERUS | G | 5.33E-04 | 6.31E-06 | 9.07E-06 | 9.07E-06 | 3.73E-05 | 1.22E-05 | 7.63E-06 | 5.22E-06 | 1.79E-45 | 2.70E-08 | 4.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.24E-05 |
| | T | 5.33E-04 | 6.31E-06 | 9.07E-06 | 9.07E-06 | 3.73E-05 | 1.22E-05 | 7.63E-06 | 5.22E-06 | 1.79E-45 | 2.70E-08 | 8.12E-05 |
| T BODY | G | 5.20E-05 | 5.12E-05 | 4.19E-05 | 4.19E-05 | 4.43E-05 | 3.77E-05 | 2.05E-05 | 4.44E-05 | 3.37E-05 | 3.38E-05 | 3.80E-05 |
| | B | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 |
| | T | 8.45E-05 | 8.36E-05 | 7.43E-05 | 7.43E-05 | 7.68E-05 | 7.01E-05 | 5.29E-05 | 7.68E-05 | 6.61E-05 | 6.62E-05 | 7.04E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-NUCLEAR DATA SHEETS (1963)
DATE DECAY DATA REVIEWED-NOVEMBER 1970

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 64-GADOLINIUM-159 (TR=1.800E 01 HOURS)

DATE OF TABLE 04-02-75

SOURCE ORGANS

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 5.63E-03 | 1.78E-06 | 2.28E-05 | 1.24E-05 | 9.01E-06 | 4.14E-06 | 1.21E-04 | 5.02E-05 | 2.45E-05 | 2.45E-05 | 1.56E-05 |
| | B | 1.10E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E 00 | 1.78E-06 | 2.28E-05 | 1.24E-05 | 9.01E-06 | 4.14E-06 | 1.21E-04 | 5.02E-05 | 2.45E-05 | 2.45E-05 | 1.56E-05 |
| BLAD WALL | G | 9.65E-07 | 8.34E-04 | 2.98E-06 | 2.86E-05 | 1.93E-05 | 6.34E-05 | 2.94E-06 | 2.16E-06 | 5.28E-07 | 5.28E-07 | 1.85E-05 |
| | B | 0.0 | 3.85E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.65E-07 | 3.93E-02 | 2.98E-06 | 2.86E-05 | 1.93E-05 | 6.34E-05 | 2.94E-06 | 2.16E-06 | 5.28E-07 | 5.28E-07 | 1.85E-05 |
| GI TRACT S WALL | G | 2.85E-05 | 2.61E-06 | 5.92E-04 | 3.60E-05 | 3.88E-05 | 1.78E-05 | 3.35E-05 | 1.90E-05 | 1.90E-05 | 1.90E-05 | 1.46E-05 |
| | B | 0.0 | 0.0 | 3.08E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.85E-05 | 2.61E-06 | 3.14E-02 | 3.60E-05 | 3.88E-05 | 1.78E-05 | 3.35E-05 | 1.90E-05 | 1.90E-05 | 1.90E-05 | 1.46E-05 |
| SI+CONT | G | 8.15E-06 | 2.70E-05 | 2.61E-05 | 3.53E-04 | 1.83E-04 | 9.97E-05 | 2.76E-05 | 1.57E-05 | 2.08E-06 | 2.08E-06 | 1.58E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.92E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.15E-06 | 2.70E-05 | 2.61E-05 | 1.96E-02 | 1.83E-04 | 9.97E-05 | 2.76E-05 | 1.57E-05 | 2.08E-06 | 2.08E-06 | 1.58E-05 |
| ULI WALL | G | 8.98E-06 | 2.24E-05 | 3.57E-05 | 2.64E-04 | 4.84E-04 | 4.47E-05 | 2.80E-05 | 2.52E-05 | 2.73E-06 | 2.73E-06 | 1.66E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.50E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.98E-06 | 2.24E-05 | 3.57E-05 | 2.64E-04 | 3.55E-02 | 4.47E-05 | 2.80E-05 | 2.52E-05 | 2.73E-06 | 2.73E-06 | 1.66E-05 |
| LLI WALL | G | 2.55E-06 | 7.50E-05 | 1.22E-05 | 7.67E-05 | 3.11E-05 | 5.78E-04 | 7.71E-06 | 2.42E-06 | 7.96E-07 | 7.96E-07 | 1.73E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.70E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.55E-06 | 7.50E-05 | 1.22E-05 | 7.67E-05 | 3.11E-05 | 5.76E-02 | 7.71E-06 | 2.42E-06 | 7.96E-07 | 7.96E-07 | 1.73E-05 |
| KIDNEYS | G | 1.22E-04 | 2.87E-06 | 3.41E-05 | 3.03E-05 | 2.70E-05 | 8.23E-06 | 8.41E-04 | 3.90E-05 | 8.99E-06 | 8.99E-06 | 1.46E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.97E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.22E-04 | 2.87E-06 | 3.41E-05 | 3.03E-05 | 2.70E-05 | 8.23E-06 | 5.05E-02 | 3.90E-05 | 8.99E-06 | 8.99E-06 | 1.46E-05 |
| LIVER | G | 5.11E-05 | 2.12E-06 | 1.95E-05 | 1.79E-05 | 2.53E-05 | 2.73E-06 | 3.99E-05 | 2.91E-04 | 2.54E-05 | 2.54E-05 | 1.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.55E-03 | 0.0 | 0.0 | 0.0 |
| | T | 5.11E-05 | 2.12E-06 | 1.95E-05 | 1.79E-05 | 2.53E-05 | 2.73E-06 | 3.99E-05 | 8.84E-03 | 2.54E-05 | 2.54E-05 | 1.12E-05 |
| LUNGS | G | 2.46E-05 | 3.08E-07 | 1.84E-05 | 2.56E-06 | 2.72E-06 | 8.09E-07 | 8.52E-06 | 2.62E-05 | 1.79E-04 | 1.79E-04 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54E-02 | 1.54E-02 | 0.0 |
| | T | 2.46E-05 | 3.08E-07 | 1.84E-05 | 2.56E-06 | 2.72E-06 | 8.09E-07 | 8.52E-06 | 2.62E-05 | 1.56E-02 | 1.56E-02 | 1.41E-05 |
| RESP LYM NODE | G | 2.46E-05 | 3.08E-07 | 1.84E-05 | 2.56E-06 | 2.72E-06 | 8.09E-07 | 8.52E-06 | 2.62E-05 | 1.74E-04 | 1.79E-04 | 1.41E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.53E-02 | 1.03E 00 | 0.0 |
| | T | 2.46E-05 | 3.08E-07 | 1.84E-05 | 2.56E-06 | 2.72E-06 | 8.09E-07 | 8.52E-06 | 2.62E-05 | 1.54E-02 | 1.03E 00 | 1.41E-05 |
| MUSCLE* | G | 1.56E-05 | 1.85E-05 | 1.46E-05 | 1.58E-05 | 1.51E-05 | 1.73E-05 | 1.46E-05 | 1.12E-05 | 1.41E-05 | 1.41E-05 | 1.56E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.50E-04 |
| | T | 1.56E-05 | 1.85E-05 | 1.46E-05 | 1.58E-05 | 1.51E-05 | 1.73E-05 | 1.46E-05 | 1.12E-05 | 1.41E-05 | 1.41E-05 | 5.66E-04 |
| OVARIES | G | 4.82E-06 | 7.13E-05 | 4.61E-06 | 1.06E-04 | 1.25E-04 | 1.97E-04 | 1.10E-05 | 3.30E-06 | 1.20E-06 | 1.20E-06 | 2.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.82E-06 | 7.13E-05 | 4.61E-06 | 1.06E-04 | 1.25E-04 | 1.97E-04 | 1.10E-05 | 3.30E-06 | 1.20E-06 | 1.20E-06 | 2.07E-05 |

64-GADOLINIUM-159 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 8.85E-05 | 2.39E-06 | 1.95E-04 | 1.97E-05 | 2.01E-05 | 6.51E-06 | 6.59E-05 | 4.42E-05 | 2.68E-05 | 2.68E-05 | 1.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.85E-05 | 2.39E-06 | 1.95E-04 | 1.97E-05 | 2.01E-05 | 6.51E-06 | 6.59E-05 | 4.42E-05 | 2.68E-05 | 2.68E-05 | 1.89E-05 |
| SKELETON BONE | G | 1.89E-05 | 7.06E-06 | 7.60E-06 | 1.06E-05 | 9.56E-06 | 1.51E-05 | 1.29E-05 | 9.84E-06 | 1.38E-05 | 1.38E-05 | 1.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.89E-05 | 7.06E-06 | 7.60E-06 | 1.06E-05 | 9.56E-06 | 1.51E-05 | 1.29E-05 | 9.84E-06 | 1.38E-05 | 1.38E-05 | 1.04E-05 |
| R MARROW | G | 3.35E-05 | 1.67E-05 | 1.28E-05 | 3.58E-05 | 3.10E-05 | 4.92E-05 | 3.36E-05 | 1.34E-05 | 1.72E-05 | 1.72E-05 | 1.88E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.35E-05 | 1.67E-05 | 1.28E-05 | 3.58E-05 | 3.10E-05 | 4.92E-05 | 3.36E-05 | 1.34E-05 | 1.72E-05 | 1.72E-05 | 1.88E-05 |
| Y MARROW | G | 1.80E-05 | 6.70E-06 | 1.07E-05 | 1.48E-05 | 1.37E-05 | 1.92E-05 | 1.59E-05 | 1.48E-05 | 1.47E-05 | 1.47E-05 | 1.50E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.80E-05 | 6.70E-06 | 1.07E-05 | 1.48E-05 | 1.37E-05 | 1.92E-05 | 1.59E-05 | 1.48E-05 | 1.47E-05 | 1.47E-05 | 1.50E-05 |
| T E CL | G | 1.89E-05 | 7.06E-06 | 7.60E-06 | 1.06E-05 | 9.56E-06 | 1.51E-05 | 1.29E-05 | 9.84E-06 | 1.38E-05 | 1.38E-05 | 1.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.89E-05 | 7.06E-06 | 7.60E-06 | 1.06E-05 | 9.56E-06 | 1.51E-05 | 1.29E-05 | 9.84E-06 | 1.38E-05 | 1.38E-05 | 1.04E-05 |
| SKIN | G | 6.08E-06 | 5.87E-06 | 5.14E-06 | 4.61E-06 | 4.78E-06 | 5.30E-06 | 6.05E-06 | 5.40E-06 | 6.10E-06 | 6.10E-06 | 8.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.08E-06 | 5.87E-06 | 5.14E-06 | 4.61E-06 | 4.78E-06 | 5.30E-06 | 6.05E-06 | 5.40E-06 | 6.10E-06 | 6.10E-06 | 8.56E-06 |
| SPLEEN | G | 6.81E-05 | 1.64E-06 | 1.04E-04 | 1.47E-05 | 1.29E-05 | 8.14E-06 | 9.34E-05 | 8.95E-06 | 2.29E-05 | 2.29E-05 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.81E-05 | 1.64E-06 | 1.04E-04 | 1.47E-05 | 1.29E-05 | 8.14E-06 | 9.34E-05 | 8.95E-06 | 2.29E-05 | 2.29E-05 | 1.53E-05 |
| TESTES | G | 4.83E-07 | 4.99E-05 | 3.79E-07 | 3.08E-06 | 3.60E-06 | 2.00E-05 | 1.11E-06 | 8.21E-07 | 1.55E-07 | 1.55E-07 | 1.22E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.83E-07 | 4.99E-05 | 3.79E-07 | 3.08E-06 | 3.60E-06 | 2.00E-05 | 1.11E-06 | 8.21E-07 | 1.55E-07 | 1.55E-07 | 1.22E-05 |
| THYMUS | G | 5.94E-06 | 2.02E-07 | 2.49E-06 | 1.03E-06 | 1.13E-06 | 3.99E-07 | 2.60E-06 | 8.74E-06 | 3.98E-05 | 3.98E-05 | 2.38E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.94E-06 | 2.02E-07 | 2.49E-06 | 1.03E-06 | 1.13E-06 | 3.99E-07 | 2.60E-06 | 8.74E-06 | 3.98E-05 | 3.98E-05 | 2.38E-05 |
| THYROID | G | 1.50E-06 | 5.44E-08 | 1.13E-06 | 2.59E-07 | 2.80E-07 | 1.11E-07 | 6.68E-07 | 1.69E-06 | 9.20E-06 | 9.20E-06 | 1.45E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.50E-06 | 5.44E-08 | 1.13E-06 | 2.59E-07 | 2.80E-07 | 1.11E-07 | 6.68E-07 | 1.69E-06 | 9.20E-06 | 9.20E-06 | 1.45E-05 |
| UTERUS | G | 1.10E-05 | 1.68E-04 | 7.51E-06 | 9.78E-05 | 4.83E-05 | 6.58E-05 | 8.43E-06 | 3.71E-06 | 8.51E-07 | 8.51E-07 | 2.25E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.10E-05 | 1.68E-04 | 7.51E-06 | 9.78E-05 | 4.83E-05 | 6.58E-05 | 8.43E-06 | 3.71E-06 | 8.51E-07 | 8.51E-07 | 2.25E-05 |
| T BODY | G | 1.80E-05 | 1.99E-05 | 1.90E-05 | 2.11E-05 | 2.05E-05 | 2.05E-05 | 1.80E-05 | 1.83E-05 | 1.61E-05 | 1.61E-05 | 1.47E-05 |
| | B | 2.20E-04 | 2.47E-05 | 6.60E-05 | 1.76E-04 | 1.05E-04 | 1.30E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 |
| | T | 2.38E-04 | 4.47E-05 | 8.50E-05 | 1.97E-04 | 1.26E-04 | 1.51E-04 | 2.38E-04 | 2.38E-04 | 2.36E-04 | 2.36E-04 | 2.35E-04 |

CONTINUED NEXT PAGE

64-GADOLINIUM-159 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 4.26E-06 | 8.80E-05 | 1.44E-05 | 1.44E-05 | 2.11E-05 | 1.16E-05 | 7.01E-06 | 6.56E-05 | 4.83E-07 | 1.50E-06 | 1.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 4.26E-06 | 8.80E-05 | 1.44E-05 | 1.44E-05 | 2.11E-05 | 1.16E-05 | 7.01E-06 | 6.56E-05 | 4.83E-07 | 1.50E-06 | 2.40E-04 |
| BLAD WALL | G | 7.11E-05 | 1.50E-06 | 5.19E-06 | 5.19E-06 | 7.21E-06 | 2.92E-06 | 5.56E-06 | 1.31E-06 | 5.04E-05 | 5.49E-08 | 1.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 7.11E-05 | 1.50E-06 | 5.19E-06 | 5.19E-06 | 7.21E-06 | 2.92E-06 | 5.56E-06 | 1.31E-06 | 5.04E-05 | 5.49E-08 | 2.39E-04 |
| GI TRACT S WALL | G | 7.51E-06 | 1.97E-04 | 5.43E-06 | 5.43E-06 | 9.77E-06 | 7.20E-06 | 5.97E-06 | 1.03E-04 | 7.04E-07 | 7.71E-07 | 1.91E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 7.51E-06 | 1.97E-04 | 5.43E-06 | 5.43E-06 | 9.77E-06 | 7.20E-06 | 5.97E-06 | 1.03E-04 | 7.04E-07 | 7.71E-07 | 2.39E-04 |
| SI+CONT | G | 1.29E-04 | 1.71E-05 | 7.60E-06 | 7.60E-06 | 2.57E-05 | 1.02E-05 | 4.89E-06 | 1.33E-05 | 4.18E-06 | 9.40E-08 | 2.08E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 1.29E-04 | 1.71E-05 | 7.60E-06 | 7.60E-06 | 2.57E-05 | 1.02E-05 | 4.89E-06 | 1.33E-05 | 4.18E-06 | 9.40E-08 | 2.41E-04 |
| ULI WALL | G | 1.22E-04 | 2.09E-05 | 6.88E-06 | 6.88E-06 | 2.04E-05 | 8.69E-06 | 5.05E-06 | 1.29E-05 | 3.03E-06 | 8.97E-08 | 1.99E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 1.22E-04 | 2.09E-05 | 6.88E-06 | 6.88E-06 | 2.04E-05 | 8.69E-06 | 5.05E-06 | 1.29E-05 | 3.03E-06 | 8.97E-08 | 2.40E-04 |
| LLI WALL | G | 1.59E-04 | 5.13E-06 | 9.88E-06 | 9.88E-06 | 3.01E-05 | 8.61E-06 | 5.14E-06 | 6.17E-06 | 2.81E-05 | 9.20E-08 | 1.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 1.59E-04 | 5.13E-06 | 9.88E-06 | 9.88E-06 | 3.01E-05 | 8.61E-06 | 5.14E-06 | 6.17E-06 | 2.81E-05 | 9.20E-08 | 2.40E-04 |
| KIDNEYS | G | 9.54E-06 | 6.50E-05 | 8.70E-06 | 8.70E-06 | 2.24E-05 | 1.10E-05 | 6.94E-06 | 9.46E-05 | 6.64E-07 | 3.66E-07 | 1.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 9.54E-06 | 6.50E-05 | 8.70E-06 | 8.70E-06 | 2.24E-05 | 1.10E-05 | 6.94E-06 | 9.46E-05 | 6.64E-07 | 3.66E-07 | 2.38E-04 |
| LIVER | G | 5.36E-06 | 4.36E-05 | 6.56E-06 | 6.56E-06 | 9.36E-06 | 1.01E-05 | 6.03E-06 | 9.59E-06 | 3.86E-07 | 1.20E-06 | 1.81E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 5.36E-06 | 4.36E-05 | 6.56E-06 | 6.56E-06 | 9.36E-06 | 1.01E-05 | 6.03E-06 | 9.59E-06 | 3.86E-07 | 1.20E-06 | 2.38E-04 |
| LUNGS | G | 7.82E-07 | 2.51E-05 | 9.79E-06 | 9.79E-06 | 1.18E-05 | 1.00E-05 | 6.59E-06 | 2.33E-05 | 1.08E-07 | 9.65E-06 | 1.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 7.82E-07 | 2.51E-05 | 9.79E-06 | 9.79E-06 | 1.18E-05 | 1.00E-05 | 6.59E-06 | 2.33E-05 | 1.08E-07 | 9.65E-06 | 2.36E-04 |
| RESP LYM NODE | G | 7.82E-07 | 2.51E-05 | 9.79E-06 | 9.79E-06 | 1.18E-05 | 1.00E-05 | 6.59E-06 | 2.33E-05 | 1.08E-07 | 9.65E-06 | 1.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 7.82E-07 | 2.51E-05 | 9.79E-06 | 9.79E-06 | 1.18E-05 | 1.00E-05 | 6.59E-06 | 2.33E-05 | 1.08E-07 | 9.65E-06 | 2.36E-04 |
| MUSCLE* | G | 2.07E-05 | 1.89E-05 | 1.04E-05 | 1.04E-05 | 1.24E-05 | 9.57E-06 | 8.56E-06 | 1.53E-05 | 1.22E-05 | 1.45E-05 | 1.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 2.07E-05 | 1.89E-05 | 1.04E-05 | 1.04E-05 | 1.24E-05 | 9.57E-06 | 8.56E-06 | 1.53E-05 | 1.22E-05 | 1.45E-05 | 2.35E-04 |
| OVARIES | G | 9.51E-03 | 3.27E-06 | 8.73E-06 | 8.73E-06 | 3.04E-05 | 1.06E-05 | 3.89E-06 | 7.16E-06 | 3.07E-46 | 1.09E-07 | 1.84E-05 |
| | B | 1.40E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 1.41E 00 | 3.27E-06 | 8.73E-06 | 8.73E-06 | 3.04E-05 | 1.06E-05 | 3.89E-06 | 7.16E-06 | 3.07E-46 | 1.09E-07 | 2.38E-04 |

64-GADOLINIUM-159 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 4.55E-06 | 2.50E-03 | 9.30E-06 | 9.30E-06 | 1.60E-05 | 1.20E-05 | 5.31E-06 | 2.14E-04 | 4.64E-07 | 7.44E-07 | 2.07E-05 |
| | B | 0.0 | 1.54E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 4.55E-06 | 1.56E-01 | 9.30E-06 | 9.30E-06 | 1.60E-05 | 1.20E-05 | 5.31E-06 | 2.14E-04 | 4.64E-07 | 7.44E-07 | 2.41E-04 |
| SKELETON BONE | G | 1.32E-05 | 1.21E-05 | 5.04E-05 | 5.04E-05 | 3.30E-05 | 3.79E-05 | 1.05E-05 | 1.02E-05 | 7.42E-06 | 8.95E-06 | 2.03E-05 |
| | B | 0.0 | 0.0 | 3.08E-03 | 1.96E-03 | 7.45E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 1.32E-05 | 1.21E-05 | 3.13E-03 | 2.01E-03 | 7.78E-04 | 3.79E-05 | 1.05E-05 | 1.02E-05 | 7.42E-06 | 8.95E-06 | 2.40E-04 |
| R MARROW | G | 4.76E-05 | 2.29E-05 | 4.54E-05 | 4.54E-05 | 1.15E-04 | 3.87E-05 | 9.78E-06 | 1.45E-05 | 5.87E-06 | 9.63E-06 | 2.31E-05 |
| | B | 0.0 | 0.0 | 7.98E-05 | 3.73E-03 | 7.57E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 4.76E-05 | 2.29E-05 | 1.25E-04 | 3.77E-03 | 7.68E-03 | 3.87E-05 | 9.78E-06 | 1.45E-05 | 5.87E-06 | 9.63E-06 | 2.43E-04 |
| Y MARROW | G | 1.80E-05 | 1.40E-05 | 4.41E-05 | 4.41E-05 | 4.22E-05 | 6.92E-05 | 1.14E-05 | 1.55E-05 | 2.87E-06 | 4.63E-06 | 1.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.03E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 1.80E-05 | 1.40E-05 | 4.41E-05 | 4.41E-05 | 4.22E-05 | 1.03E-02 | 1.14E-05 | 1.55E-05 | 2.87E-06 | 4.63E-06 | 2.39E-04 |
| T E CL | G | 1.32E-05 | 1.21E-05 | 5.00E-05 | 5.00E-05 | 4.71E-05 | 4.34E-05 | 1.05E-05 | 1.02E-05 | 7.42E-06 | 8.95E-06 | 2.04E-05 |
| | B | 0.0 | 0.0 | 1.96E-03 | 3.43E-03 | 2.85E-03 | 2.57E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 1.32E-05 | 1.21E-05 | 2.01E-03 | 3.48E-03 | 2.89E-03 | 2.61E-03 | 1.05E-05 | 1.02E-05 | 7.42E-06 | 8.95E-06 | 2.40E-04 |
| SKIN | G | 4.51E-06 | 4.38E-06 | 7.58E-06 | 7.58E-06 | 6.69E-06 | 8.54E-06 | 2.32E-05 | 5.47E-06 | 1.62E-05 | 8.52E-06 | 8.70E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.92E-03 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 4.51E-06 | 4.38E-06 | 7.58E-06 | 7.58E-06 | 6.69E-06 | 8.54E-06 | 5.94E-03 | 5.47E-06 | 1.62E-05 | 8.52E-06 | 2.29E-04 |
| SPLEEN | G | 5.46E-06 | 2.13E-04 | 7.22E-06 | 7.22E-06 | 8.30E-06 | 1.00E-05 | 6.04E-06 | 1.51E-03 | 6.44E-07 | 1.05E-06 | 1.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.55E-02 | 0.0 | 0.0 | 2.20E-04 |
| | T | 5.46E-06 | 2.13E-04 | 7.22E-06 | 7.22E-06 | 8.30E-06 | 1.00E-05 | 6.04E-06 | 8.70E-02 | 6.44E-07 | 1.05E-06 | 2.39E-04 |
| TESTES | G | 3.07E-46 | 5.71E-07 | 5.53E-06 | 5.53E-06 | 3.37E-06 | 9.81E-06 | 1.02E-05 | 6.75E-07 | 4.19E-03 | 1.80E-08 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.40E-01 | 0.0 | 2.20E-04 |
| | T | 3.07E-46 | 5.71E-07 | 5.53E-06 | 5.53E-06 | 3.37E-06 | 9.81E-06 | 1.02E-05 | 6.75E-07 | 4.44E-01 | 1.80E-08 | 2.35E-04 |
| THYMUS | G | 4.12E-07 | 6.16E-06 | 5.75E-06 | 5.75E-06 | 5.91E-06 | 5.55E-06 | 7.29E-06 | 3.55E-06 | 6.42E-08 | 4.42E-05 | 2.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 4.12E-07 | 6.16E-06 | 5.75E-06 | 5.75E-06 | 5.91E-06 | 5.55E-06 | 7.29E-06 | 3.55E-06 | 6.42E-08 | 4.42E-05 | 2.40E-04 |
| THYROID | G | 1.09E-07 | 1.42E-06 | 9.51E-06 | 9.51E-06 | 7.45E-06 | 8.51E-06 | 8.15E-06 | 1.09E-06 | 1.81E-08 | 5.80E-03 | 1.44E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.70E-01 | 2.20E-04 |
| | T | 1.09E-07 | 1.42E-06 | 9.51E-06 | 9.51E-06 | 7.45E-06 | 8.51E-06 | 8.15E-06 | 1.09E-06 | 1.81E-08 | 7.76E-01 | 2.34E-04 |
| UTERUS | G | 2.15E-04 | 5.53E-06 | 5.53E-06 | 5.53E-06 | 2.02E-05 | 6.31E-06 | 4.61E-06 | 3.76E-06 | 3.07E-46 | 1.02E-07 | 2.04E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20E-04 |
| | T | 2.15E-04 | 5.53E-06 | 5.53E-06 | 5.53E-06 | 2.02E-05 | 6.31E-06 | 4.61E-06 | 3.76E-06 | 3.07E-46 | 1.02E-07 | 2.40E-04 |
| T BODY | G | 2.16E-05 | 2.12E-05 | 1.61E-05 | 1.61E-05 | 1.76E-05 | 1.43E-05 | 9.11E-06 | 1.83E-05 | 1.47E-05 | 1.39E-05 | 1.55E-05 |
| | B | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 | 2.20E-04 |
| | T | 2.42E-04 | 2.41E-04 | 2.36E-04 | 2.36E-04 | 2.38E-04 | 2.34E-04 | 2.29E-04 | 2.38E-04 | 2.35E-04 | 2.34E-04 | 2.35E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-JANUARY 1968

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 65-TERBIUM-157 (TR=1.500E 02 YEARS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 4.24E-03 | 3.01E-08 | 3.37E-06 | 7.24E-07 | 9.23E-07 | 1.81E-07 | 2.57E-05 | 8.25E-06 | 3.61E-06 | 3.61E-06 | 3.02E-06 |
| | B | 2.25E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.67E-02 | 3.01E-08 | 3.37E-06 | 7.24E-07 | 9.23E-07 | 1.81E-07 | 2.57E-05 | 8.25E-06 | 3.61E-06 | 3.61E-06 | 3.02E-06 |
| BLAD WALL | G | 3.13E-08 | 2.42E-04 | 1.36E-07 | 3.16E-06 | 2.25E-06 | 1.11E-05 | 8.12E-08 | 5.24E-08 | 1.30E-08 | 1.30E-08 | 3.33E-06 |
| | B | 0.0 | 7.88E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.13E-08 | 1.03E-03 | 1.36E-07 | 3.16E-06 | 2.25E-06 | 1.11E-05 | 8.12E-08 | 5.24E-08 | 1.30E-08 | 1.30E-08 | 3.33E-06 |
| GI TRACT S WALL | G | 3.57E-06 | 1.17E-07 | 1.64E-04 | 5.93E-06 | 7.50E-06 | 2.52E-06 | 4.79E-06 | 2.66E-06 | 3.21E-06 | 3.21E-06 | 2.62E-06 |
| | B | 0.0 | 0.0 | 6.30E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.57E-06 | 1.17E-07 | 7.94E-04 | 5.93E-06 | 7.50E-06 | 2.52E-06 | 4.79E-06 | 2.66E-06 | 3.21E-06 | 3.21E-06 | 2.62E-06 |
| SI+CONT | G | 5.77E-07 | 3.63E-06 | 3.74E-06 | 1.09E-04 | 4.16E-05 | 2.17E-05 | 3.75E-06 | 1.91E-06 | 9.47E-08 | 9.47E-08 | 2.65E-06 |
| | B | 0.0 | 0.0 | 0.0 | 3.94E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.77E-07 | 3.63E-06 | 3.74E-06 | 5.03E-04 | 4.16E-05 | 2.17E-05 | 3.75E-06 | 1.91E-06 | 9.47E-08 | 9.47E-08 | 2.65E-06 |
| ULI WALL | G | 7.26E-07 | 2.46E-06 | 6.45E-06 | 7.86E-05 | 1.35E-04 | 9.04E-06 | 3.56E-06 | 3.86E-06 | 1.36E-07 | 1.36E-07 | 2.93E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 7.16E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.26E-07 | 2.46E-06 | 6.45E-06 | 7.86E-05 | 8.51E-04 | 9.04E-06 | 3.56E-06 | 3.86E-06 | 1.36E-07 | 1.36E-07 | 2.93E-06 |
| LLI WALL | G | 1.09E-07 | 1.40E-05 | 1.38E-06 | 1.82E-05 | 5.75E-06 | 1.65E-04 | 5.22E-07 | 8.63E-08 | 2.15E-08 | 2.15E-08 | 2.89E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.09E-07 | 1.40E-05 | 1.38E-06 | 1.82E-05 | 5.75E-06 | 1.33E-03 | 5.22E-07 | 8.63E-08 | 2.15E-08 | 2.15E-08 | 2.89E-06 |
| KIDNEYS | G | 2.46E-05 | 1.04E-07 | 4.98E-06 | 3.92E-06 | 3.73E-06 | 7.40E-07 | 3.80E-04 | 6.54E-06 | 8.70E-07 | 8.70E-07 | 2.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.46E-05 | 1.04E-07 | 4.98E-06 | 3.92E-06 | 3.73E-06 | 7.40E-07 | 1.40E-03 | 6.54E-06 | 8.70E-07 | 8.70E-07 | 2.66E-06 |
| LIVER | G | 9.14E-06 | 7.01E-08 | 2.49E-06 | 2.40E-06 | 3.72E-06 | 1.18E-07 | 6.50E-06 | 9.71E-05 | 4.69E-06 | 4.69E-06 | 1.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.75E-04 | 0.0 | 0.0 | 0.0 |
| | T | 9.14E-06 | 7.01E-08 | 2.49E-06 | 2.40E-06 | 3.72E-06 | 1.18E-07 | 6.50E-06 | 2.72E-04 | 4.69E-06 | 4.69E-06 | 1.91E-06 |
| LUNGS | G | 4.08E-06 | 3.29E-09 | 3.23E-06 | 1.22E-07 | 1.61E-07 | 2.91E-08 | 9.42E-07 | 5.32E-06 | 9.24E-05 | 9.24E-05 | 2.93E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.15E-04 | 3.15E-04 | 0.0 |
| | T | 4.08E-06 | 3.29E-09 | 3.23E-06 | 1.22E-07 | 1.61E-07 | 2.91E-08 | 9.42E-07 | 5.32E-06 | 4.07E-04 | 4.07E-04 | 2.93E-06 |
| RESP LYM NODE | G | 4.08E-06 | 3.29E-09 | 3.23E-06 | 1.22E-07 | 1.61E-07 | 2.91E-08 | 9.42E-07 | 5.32E-06 | 7.29E-05 | 9.24E-05 | 2.93E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.54E-05 | 2.10E-02 | 0.0 |
| | T | 4.08E-06 | 3.29E-09 | 3.23E-06 | 1.22E-07 | 1.61E-07 | 2.91E-08 | 9.42E-07 | 5.32E-06 | 9.82E-05 | 2.11E-02 | 2.93E-06 |
| MUSCLE* | G | 3.02E-06 | 3.33E-06 | 2.62E-06 | 2.65E-06 | 2.54E-06 | 2.89E-06 | 2.66E-06 | 1.91E-06 | 2.93E-06 | 2.93E-06 | 3.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13E-05 |
| | T | 3.02E-06 | 3.33E-06 | 2.62E-06 | 2.65E-06 | 2.54E-06 | 2.89E-06 | 2.66E-06 | 1.91E-06 | 2.93E-06 | 2.93E-06 | 1.52E-05 |
| OVARIES | G | 1.63E-07 | 1.18E-05 | 6.19E-07 | 2.32E-05 | 2.23E-05 | 4.62E-05 | 9.75E-07 | 3.93E-07 | 5.77E-08 | 5.77E-08 | 3.91E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.63E-07 | 1.18E-05 | 6.19E-07 | 2.32E-05 | 2.23E-05 | 4.62E-05 | 9.75E-07 | 3.93E-07 | 5.77E-08 | 5.77E-08 | 3.91E-06 |

65-TERBIUM-157 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.59E-05 | 7.36E-08 | 4.28E-05 | 2.23E-06 | 2.30E-06 | 4.81E-07 | 1.06E-05 | 7.23E-06 | 4.12E-06 | 4.12E-06 | 3.70E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.59E-05 | 7.36E-08 | 4.28E-05 | 2.23E-06 | 2.30E-06 | 4.81E-07 | 1.06E-05 | 7.23E-06 | 4.12E-06 | 4.12E-06 | 3.70E-06 |
| SKELETON BONE | G | 5.54E-06 | 1.20E-06 | 1.70E-06 | 2.61E-06 | 2.35E-06 | 4.62E-06 | 3.38E-06 | 2.55E-06 | 4.07E-06 | 4.07E-06 | 1.29E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.54E-06 | 1.20E-06 | 1.70E-06 | 2.61E-06 | 2.35E-06 | 4.62E-06 | 3.38E-06 | 2.55E-06 | 4.07E-06 | 4.07E-06 | 1.29E-06 |
| R MARROW | G | 9.31E-06 | 3.48E-06 | 2.51E-06 | 9.83E-06 | 8.58E-06 | 1.72E-05 | 9.01E-06 | 2.92E-06 | 4.90E-06 | 4.90E-06 | 5.60E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.31E-06 | 3.48E-06 | 2.51E-06 | 9.83E-06 | 8.58E-06 | 1.72E-05 | 9.01E-06 | 2.92E-06 | 4.90E-06 | 4.90E-06 | 5.60E-06 |
| Y MARROW | G | 5.12E-06 | 1.27E-06 | 2.48E-06 | 3.69E-06 | 3.42E-06 | 6.19E-06 | 4.08E-06 | 4.04E-06 | 4.49E-06 | 4.49E-06 | 4.47E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.12E-06 | 1.27E-06 | 2.48E-06 | 3.69E-06 | 3.42E-06 | 6.19E-06 | 4.08E-06 | 4.04E-06 | 4.49E-06 | 4.49E-06 | 4.47E-06 |
| T E CL | G | 5.54E-06 | 1.20E-06 | 1.70E-06 | 2.61E-06 | 2.35E-06 | 4.62E-06 | 3.38E-06 | 2.55E-06 | 4.07E-06 | 4.07E-06 | 1.29E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.54E-06 | 1.20E-06 | 1.70E-06 | 2.61E-06 | 2.35E-06 | 4.62E-06 | 3.38E-06 | 2.55E-06 | 4.07E-06 | 4.07E-06 | 1.29E-06 |
| SKIN | G | 7.57E-07 | 7.43E-07 | 6.44E-07 | 4.54E-07 | 5.10E-07 | 5.92E-07 | 8.21E-07 | 6.45E-07 | 7.51E-07 | 7.51E-07 | 1.56E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.57E-07 | 7.43E-07 | 6.44E-07 | 4.54E-07 | 5.10E-07 | 5.92E-07 | 8.21E-07 | 6.45E-07 | 7.51E-07 | 7.51E-07 | 1.56E-06 |
| SPLEEN | G | 1.21E-05 | 4.96E-08 | 2.03E-05 | 1.55E-06 | 1.68E-06 | 8.59E-07 | 2.04E-05 | 8.16E-07 | 4.09E-06 | 4.09E-06 | 2.92E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.21E-05 | 4.96E-08 | 2.03E-05 | 1.55E-06 | 1.68E-06 | 8.59E-07 | 2.04E-05 | 8.16E-07 | 4.09E-06 | 4.09E-06 | 2.92E-06 |
| TESTES | G | 2.67E-09 | 8.48E-06 | 1.38E-08 | 1.27E-07 | 1.32E-07 | 2.60E-06 | 1.32E-08 | 8.57E-09 | 1.26E-09 | 1.26E-09 | 1.97E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.67E-09 | 8.48E-06 | 1.38E-08 | 1.27E-07 | 1.32E-07 | 2.60E-06 | 1.32E-08 | 8.57E-09 | 1.26E-09 | 1.26E-09 | 1.97E-06 |
| THYMUS | G | 3.17E-07 | 5.17E-10 | 3.97E-07 | 1.19E-08 | 1.45E-08 | 2.58E-09 | 8.82E-08 | 4.29E-07 | 7.08E-06 | 7.08E-06 | 4.99E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.17E-07 | 5.17E-10 | 3.97E-07 | 1.19E-08 | 1.45E-08 | 2.58E-09 | 8.82E-08 | 4.29E-07 | 7.08E-06 | 7.08E-06 | 4.99E-06 |
| THYROID | G | 2.21E-08 | 3.91E-11 | 1.46E-08 | 8.71E-10 | 1.04E-09 | 2.15E-10 | 5.18E-09 | 2.21E-08 | 6.58E-07 | 6.58E-07 | 3.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.21E-08 | 3.91E-11 | 1.46E-08 | 8.71E-10 | 1.04E-09 | 2.15E-10 | 5.18E-09 | 2.21E-08 | 6.58E-07 | 6.58E-07 | 3.12E-06 |
| UTERUS | G | 6.70E-08 | 3.70E-05 | 3.81E-07 | 2.01E-05 | 8.48E-06 | 1.15E-05 | 4.95E-07 | 2.35E-07 | 4.67E-08 | 4.67E-08 | 5.04E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.70E-08 | 3.70E-05 | 3.81E-07 | 2.01E-05 | 8.48E-06 | 1.15E-05 | 4.95E-07 | 2.35E-07 | 4.67E-08 | 4.67E-08 | 5.04E-06 |
| T BODY | G | 4.38E-06 | 4.61E-06 | 4.54E-06 | 4.87E-06 | 4.78E-06 | 4.85E-06 | 4.27E-06 | 4.46E-06 | 4.25E-06 | 4.25E-06 | 3.43E-06 |
| | B | 4.50E-06 | 5.06E-07 | 1.35E-06 | 3.60E-06 | 2.15E-06 | 2.67E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 |
| | T | 8.88E-06 | 5.12E-06 | 5.89E-06 | 8.47E-06 | 6.93E-06 | 7.52E-06 | 8.77E-06 | 8.96E-06 | 8.75E-06 | 8.75E-06 | 7.93E-06 |

CONTINUED NEXT PAGE

65-TERBIUM-157 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 1.63E-07 | 1.58E-05 | 1.82E-06 | 1.82E-06 | 2.61E-06 | 1.10E-06 | 7.79E-07 | 1.21E-05 | 2.67E-09 | 2.21E-08 | 3.22E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 1.63E-07 | 1.58E-05 | 1.82E-06 | 1.82E-06 | 2.61E-06 | 1.10E-06 | 7.79E-07 | 1.21E-05 | 2.67E-09 | 2.21E-08 | 7.72E-06 |
| BLAD WALL | G | 1.27E-05 | 4.28E-08 | 4.08E-07 | 4.08E-07 | 1.04E-06 | 2.98E-07 | 6.89E-07 | 5.75E-08 | 8.08E-06 | 4.05E-11 | 4.39E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 1.27E-05 | 4.28E-08 | 4.08E-07 | 4.08E-07 | 1.04E-06 | 2.98E-07 | 6.89E-07 | 5.75E-08 | 8.08E-06 | 4.05E-11 | 8.89E-06 |
| GI TRACT S WALL | G | 6.55E-07 | 4.47E-05 | 5.47E-07 | 5.47E-07 | 9.53E-07 | 9.30E-07 | 8.63E-07 | 2.02E-05 | 1.55E-08 | 5.03E-08 | 4.06E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 6.55E-07 | 4.47E-05 | 5.47E-07 | 5.47E-07 | 9.53E-07 | 9.30E-07 | 8.63E-07 | 2.02E-05 | 1.55E-08 | 5.03E-08 | 8.56E-06 |
| SI+CONT | G | 2.80E-05 | 1.79E-06 | 9.52E-07 | 9.52E-07 | 3.33E-06 | 1.27E-06 | 5.21E-07 | 1.42E-06 | 2.06E-07 | 8.72E-10 | 4.61E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 2.80E-05 | 1.79E-06 | 9.52E-07 | 9.52E-07 | 3.33E-06 | 1.27E-06 | 5.21E-07 | 1.42E-06 | 2.06E-07 | 8.72E-10 | 9.11E-06 |
| ULI WALL | G | 2.69E-05 | 2.35E-06 | 7.93E-07 | 7.93E-07 | 2.73E-06 | 1.04E-06 | 6.16E-07 | 1.71E-06 | 1.72E-07 | 1.05E-09 | 4.60E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 2.69E-05 | 2.35E-06 | 7.93E-07 | 7.93E-07 | 2.73E-06 | 1.04E-06 | 6.16E-07 | 1.71E-06 | 1.72E-07 | 1.05E-09 | 9.10E-06 |
| LLI WALL | G | 3.75E-05 | 4.64E-07 | 1.40E-06 | 1.40E-06 | 4.77E-06 | 1.28E-06 | 5.09E-07 | 5.50E-07 | 4.00E-06 | 1.66E-10 | 4.67E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 3.75E-05 | 4.64E-07 | 1.40E-06 | 1.40E-06 | 4.77E-06 | 1.28E-06 | 5.09E-07 | 5.50E-07 | 4.00E-06 | 1.66E-10 | 9.17E-06 |
| KIDNEYS | G | 7.16E-07 | 1.10E-05 | 1.01E-06 | 1.01E-06 | 2.82E-06 | 1.23E-06 | 1.03E-06 | 2.04E-05 | 9.57E-09 | 5.17E-09 | 3.88E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 7.16E-07 | 1.10E-05 | 1.01E-06 | 1.01E-06 | 2.82E-06 | 1.23E-06 | 1.03E-06 | 2.04E-05 | 9.57E-09 | 5.17E-09 | 8.39E-06 |
| LIVER | G | 3.60E-07 | 7.30E-06 | 7.70E-07 | 7.70E-07 | 9.41E-07 | 1.30E-06 | 7.66E-07 | 7.94E-07 | 6.85E-09 | 4.82E-08 | 4.27E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 3.60E-07 | 7.30E-06 | 7.70E-07 | 7.70E-07 | 9.41E-07 | 1.30E-06 | 7.66E-07 | 7.94E-07 | 6.85E-09 | 4.82E-08 | 8.77E-06 |
| LUNGS | G | 2.15E-08 | 4.14E-06 | 1.44E-06 | 1.44E-06 | 1.61E-06 | 1.63E-06 | 1.00E-06 | 4.38E-06 | 3.73E-10 | 1.10E-06 | 4.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 2.15E-08 | 4.14E-06 | 1.44E-06 | 1.44E-06 | 1.61E-06 | 1.63E-06 | 1.00E-06 | 4.38E-06 | 3.73E-10 | 1.10E-06 | 8.62E-06 |
| RESP LYM NODE | G | 2.15E-08 | 4.14E-06 | 1.44E-06 | 1.44E-06 | 1.61E-06 | 1.63E-06 | 1.00E-06 | 4.38E-06 | 3.73E-10 | 1.10E-06 | 4.12E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 2.15E-08 | 4.14E-06 | 1.44E-06 | 1.44E-06 | 1.61E-06 | 1.63E-06 | 1.00E-06 | 4.38E-06 | 3.73E-10 | 1.10E-06 | 8.62E-06 |
| MUSCLE* | G | 3.91E-06 | 3.70E-06 | 1.29E-06 | 1.29E-06 | 1.62E-06 | 1.30E-06 | 1.56E-06 | 2.92E-06 | 1.97E-06 | 3.12E-06 | 3.43E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 3.91E-06 | 3.70E-06 | 1.29E-06 | 1.29E-06 | 1.62E-06 | 1.30E-06 | 1.56E-06 | 2.92E-06 | 1.97E-06 | 3.12E-06 | 7.93E-06 |
| OVARIES | G | 7.58E-03 | 3.30E-07 | 1.20E-06 | 1.20E-06 | 4.82E-06 | 1.16E-06 | 5.45E-07 | 3.06E-07 | 1.20E-45 | 1.50E-10 | 4.14E-06 |
| | B | 2.86E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 3.62E-02 | 3.30E-07 | 1.20E-06 | 1.20E-06 | 4.82E-06 | 1.16E-06 | 5.45E-07 | 3.06E-07 | 1.20E-45 | 1.50E-10 | 8.64E-06 |

65-TERBIUM-157 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.22E-07 | 1.40E-03 | 9.63E-07 | 9.63E-07 | 1.85E-06 | 9.63E-07 | 4.57E-07 | 5.03E-05 | 6.24E-09 | 2.00E-08 | 4.78E-06 |
| | B | 0.0 | 3.15E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 2.22E-07 | 4.55E-03 | 9.63E-07 | 9.63E-07 | 1.85E-06 | 9.63E-07 | 4.57E-07 | 5.03E-05 | 6.24E-09 | 2.00E-08 | 9.28E-06 |
| SKELETON BONE | G | 3.68E-06 | 2.91E-06 | 2.22E-05 | 2.22E-05 | 1.32E-05 | 1.64E-05 | 2.99E-06 | 2.68E-06 | 1.21E-06 | 1.90E-06 | 6.51E-06 |
| | B | 0.0 | 0.0 | 6.30E-05 | 6.23E-05 | 4.53E-07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 3.68E-06 | 2.91E-06 | 8.52E-05 | 8.46E-05 | 1.37E-05 | 1.64E-05 | 2.99E-06 | 2.68E-06 | 1.21E-06 | 1.90E-06 | 1.10E-05 |
| R MARROW | G | 1.47E-05 | 5.41E-06 | 1.92E-05 | 1.92E-05 | 6.24E-05 | 1.65E-05 | 2.73E-06 | 3.26E-06 | 8.72E-07 | 1.90E-06 | 7.92E-06 |
| | B | 0.0 | 0.0 | 1.77E-08 | 2.26E-06 | 2.08E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 1.47E-05 | 5.41E-06 | 1.92E-05 | 2.14E-05 | 2.71E-04 | 1.65E-05 | 2.73E-06 | 3.26E-06 | 8.72E-07 | 1.90E-06 | 1.24E-05 |
| Y MARROW | G | 5.18E-06 | 3.27E-06 | 1.89E-05 | 1.89E-05 | 1.82E-05 | 4.31E-05 | 3.48E-06 | 4.19E-06 | 3.64E-07 | 9.36E-07 | 6.87E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.10E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 5.18E-06 | 3.27E-06 | 1.89E-05 | 1.89E-05 | 1.82E-05 | 2.53E-04 | 3.48E-06 | 4.19E-06 | 3.64E-07 | 9.36E-07 | 1.14E-05 |
| T E CL | G | 3.68E-06 | 2.91E-06 | 2.04E-05 | 2.04E-05 | 2.56E-05 | 2.47E-05 | 2.99E-06 | 2.68E-06 | 1.21E-06 | 1.90E-06 | 6.95E-06 |
| | B | 0.0 | 0.0 | 3.77E-06 | 7.88E-06 | 9.98E-05 | 5.25E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 3.68E-06 | 2.91E-06 | 2.41E-05 | 2.83E-05 | 1.25E-04 | 7.72E-05 | 2.99E-06 | 2.68E-06 | 1.21E-06 | 1.90E-06 | 1.15E-05 |
| SKIN | G | 3.91E-07 | 4.05E-07 | 8.53E-07 | 8.53E-07 | 7.41E-07 | 1.06E-06 | 1.80E-05 | 6.56E-07 | 3.37E-06 | 1.49E-06 | 2.08E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.21E-04 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 3.91E-07 | 4.05E-07 | 8.53E-07 | 8.53E-07 | 7.41E-07 | 1.06E-06 | 1.39E-04 | 6.56E-07 | 3.37E-06 | 1.49E-06 | 6.58E-06 |
| SPLEEN | G | 2.66E-07 | 4.98E-05 | 9.13E-07 | 9.13E-07 | 1.00E-06 | 1.36E-06 | 7.91E-07 | 6.63E-04 | 5.25E-09 | 2.91E-08 | 4.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.75E-03 | 0.0 | 0.0 | 4.50E-06 |
| | T | 2.66E-07 | 4.98E-05 | 9.13E-07 | 9.13E-07 | 1.00E-06 | 1.36E-06 | 7.91E-07 | 2.41E-03 | 5.25E-09 | 2.91E-08 | 8.75E-06 |
| TESTES | G | 1.20E-45 | 6.25E-09 | 5.19E-07 | 5.19E-07 | 2.72E-07 | 1.10E-06 | 2.22E-06 | 5.24E-09 | 2.31E-03 | 4.23E-12 | 3.25E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.00E-03 | 0.0 | 4.50E-06 |
| | T | 1.20E-45 | 6.25E-09 | 5.19E-07 | 5.19E-07 | 2.72E-07 | 1.10E-06 | 2.22E-06 | 5.24E-09 | 1.13E-02 | 4.23E-12 | 7.75E-06 |
| THYMUS | G | 2.00E-09 | 4.30E-07 | 5.56E-07 | 5.56E-07 | 8.22E-07 | 8.92E-07 | 7.30E-07 | 6.46E-08 | 5.45E-11 | 6.86E-06 | 4.37E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 2.00E-09 | 4.30E-07 | 5.56E-07 | 5.56E-07 | 8.22E-07 | 8.92E-07 | 7.30E-07 | 6.46E-08 | 5.45E-11 | 6.86E-06 | 8.87E-06 |
| THYROID | G | 1.50E-10 | 2.00E-08 | 9.33E-07 | 9.33E-07 | 6.10E-07 | 1.42E-06 | 1.42E-06 | 1.29E-08 | 4.25E-12 | 3.76E-03 | 3.68E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.58E-02 | 4.50E-06 |
| | T | 1.50E-10 | 2.00E-08 | 9.33E-07 | 9.33E-07 | 6.10E-07 | 1.42E-06 | 1.42E-06 | 1.29E-08 | 4.25E-12 | 1.95E-02 | 8.18E-06 |
| UTERUS | G | 4.66E-05 | 2.63E-07 | 5.35E-07 | 5.35E-07 | 2.38E-06 | 7.86E-07 | 5.29E-07 | 1.76E-07 | 1.20E-45 | 1.32E-10 | 4.66E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.50E-06 |
| | T | 4.66E-05 | 2.63E-07 | 5.35E-07 | 5.35E-07 | 2.38E-06 | 7.86E-07 | 5.29E-07 | 1.76E-07 | 1.20E-45 | 1.32E-10 | 9.16E-06 |
| T BODY | G | 5.01E-06 | 4.95E-06 | 4.40E-06 | 4.40E-06 | 4.53E-06 | 4.09E-06 | 2.34E-06 | 4.46E-06 | 3.49E-06 | 3.61E-06 | 3.96E-06 |
| | B | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 |
| | T | 9.51E-06 | 9.45E-06 | 8.90E-06 | 8.90E-06 | 9.03E-06 | 8.59E-06 | 6.84E-06 | 8.96E-06 | 7.99E-06 | 8.11E-06 | 8.46E-06 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-DECEMBER 1968

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 65-TERBIUM-160 (TR=7.120E 01 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 8.60E-02 | 4.54E-05 | 4.38E-04 | 2.22E-04 | 2.18E-04 | 9.03E-05 | 2.22E-03 | 8.76E-04 | 4.28E-04 | 4.28E-04 | 2.80E-04 |
| | B | 1.01E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.10E 00 | 4.54E-05 | 4.38E-04 | 2.22E-04 | 2.18E-04 | 9.03E-05 | 2.22E-03 | 8.76E-04 | 4.28E-04 | 4.28E-04 | 2.80E-04 |
| BLAD WALL | G | 4.27E-05 | 1.28E-02 | 8.61E-05 | 4.54E-04 | 3.76E-04 | 9.97E-04 | 8.30E-05 | 3.81E-05 | 1.63E-05 | 1.63E-05 | 3.24E-04 |
| | B | 0.0 | 3.54E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.27E-05 | 4.82E-02 | 8.61E-05 | 4.54E-04 | 3.76E-04 | 9.97E-04 | 8.30E-05 | 3.81E-05 | 1.63E-05 | 1.63E-05 | 3.24E-04 |
| GI TRACT S WALL | G | 5.35E-04 | 8.99E-05 | 9.36E-03 | 6.42E-04 | 6.48E-04 | 2.91E-04 | 5.94E-04 | 3.59E-04 | 3.55E-04 | 3.55E-04 | 2.59E-04 |
| | B | 0.0 | 0.0 | 2.83E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.35E-04 | 8.99E-05 | 3.77E-02 | 6.42E-04 | 6.48E-04 | 2.91E-04 | 5.94E-04 | 3.59E-04 | 3.55E-04 | 3.55E-04 | 2.59E-04 |
| SI+CONT | G | 1.76E-04 | 4.97E-04 | 4.62E-04 | 5.51E-03 | 2.89E-03 | 1.62E-03 | 5.12E-04 | 2.93E-04 | 5.72E-05 | 5.72E-05 | 2.83E-04 |
| | B | 0.0 | 0.0 | 0.0 | 1.77E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.76E-04 | 4.97E-04 | 4.62E-04 | 2.32E-02 | 2.89E-03 | 1.62E-03 | 5.12E-04 | 2.93E-04 | 5.72E-05 | 5.72E-05 | 2.83E-04 |
| ULI WALL | G | 1.99E-04 | 3.67E-04 | 5.82E-04 | 4.13E-03 | 7.84E-03 | 7.37E-04 | 5.24E-04 | 4.35E-04 | 7.43E-05 | 7.43E-05 | 2.99E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 3.22E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.99E-04 | 3.67E-04 | 5.82E-04 | 4.13E-03 | 4.00E-02 | 7.37E-04 | 5.24E-04 | 4.35E-04 | 7.43E-05 | 7.43E-05 | 2.99E-04 |
| LLI WALL | G | 5.11E-05 | 1.23E-03 | 2.52E-04 | 1.25E-03 | 5.86E-04 | 9.23E-03 | 1.64E-04 | 5.33E-05 | 1.68E-05 | 1.68E-05 | 3.09E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.24E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.11E-05 | 1.23E-03 | 2.52E-04 | 1.25E-03 | 5.86E-04 | 6.16E-02 | 1.64E-04 | 5.33E-05 | 1.68E-05 | 1.68E-05 | 3.09E-04 |
| KIDNEYS | G | 2.02E-03 | 6.90E-05 | 6.01E-04 | 5.69E-04 | 5.21E-04 | 1.70E-04 | 1.30E-02 | 6.76E-04 | 1.84E-04 | 1.84E-04 | 2.65E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.56E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.02E-03 | 6.90E-05 | 6.01E-04 | 5.69E-04 | 5.21E-04 | 1.70E-04 | 5.87E-02 | 6.76E-04 | 1.84E-04 | 1.84E-04 | 2.65E-04 |
| LIVER | G | 8.64E-04 | 5.44E-05 | 3.60E-04 | 3.41E-04 | 4.58E-04 | 7.13E-05 | 6.97E-04 | 4.61E-03 | 4.37E-04 | 4.37E-04 | 2.07E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.86E-03 | 0.0 | 0.0 | 0.0 |
| | T | 8.64E-04 | 5.44E-05 | 3.60E-04 | 3.41E-04 | 4.58E-04 | 7.13E-05 | 6.97E-04 | 1.25E-02 | 4.37E-04 | 4.37E-04 | 2.07E-04 |
| LUNGS | G | 4.37E-04 | 1.42E-05 | 3.25E-04 | 6.26E-05 | 7.40E-05 | 2.81E-05 | 1.80E-04 | 4.50E-04 | 2.64E-03 | 2.64E-03 | 2.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41E-02 | 1.41E-02 | 0.0 |
| | T | 4.37E-04 | 1.42E-05 | 3.25E-04 | 6.26E-05 | 7.40E-05 | 2.81E-05 | 1.80E-04 | 4.50E-04 | 1.68E-02 | 1.68E-02 | 2.44E-04 |
| RESP LYM NODE | G | 4.37E-04 | 1.42E-05 | 3.25E-04 | 6.26E-05 | 7.40E-05 | 2.81E-05 | 1.80E-04 | 4.50E-04 | 2.63E-03 | 2.64E-03 | 2.44E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40E-02 | 9.43E-01 | 0.0 |
| | T | 4.37E-04 | 1.42E-05 | 3.25E-04 | 6.26E-05 | 7.40E-05 | 2.81E-05 | 1.80E-04 | 4.50E-04 | 1.66E-02 | 9.46E-01 | 2.44E-04 |
| MUSCLE* | G | 2.80E-04 | 3.24E-04 | 2.60E-04 | 2.83E-04 | 2.71E-04 | 3.09E-04 | 2.65E-04 | 2.07E-04 | 2.44E-04 | 2.44E-04 | 2.80E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.05E-04 |
| | T | 2.80E-04 | 3.24E-04 | 2.60E-04 | 2.83E-04 | 2.71E-04 | 3.09E-04 | 2.65E-04 | 2.07E-04 | 2.44E-04 | 2.44E-04 | 7.85E-04 |
| OVARIES | G | 8.99E-05 | 9.52E-04 | 2.29E-04 | 1.82E-03 | 1.48E-03 | 3.13E-03 | 2.75E-04 | 1.31E-04 | 3.09E-05 | 3.09E-05 | 3.62E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.99E-05 | 9.52E-04 | 2.29E-04 | 1.82E-03 | 1.48E-03 | 3.13E-03 | 2.75E-04 | 1.31E-04 | 3.09E-05 | 3.09E-05 | 3.62E-04 |

65-TERBIUM-160 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 1.58E-03 | 5.33E-05 | 3.05E-03 | 3.61E-04 | 3.81E-04 | 1.33E-04 | 1.24E-03 | 7.70E-04 | 4.27E-04 | 4.27E-04 | 3.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.58E-03 | 5.33E-05 | 3.05E-03 | 3.61E-04 | 3.81E-04 | 1.33E-04 | 1.24E-03 | 7.70E-04 | 4.27E-04 | 4.27E-04 | 3.25E-04 |
| SKELETON BONE | G | 2.57E-04 | 1.06E-04 | 1.11E-04 | 1.49E-04 | 1.32E-04 | 1.94E-04 | 1.83E-04 | 1.37E-04 | 1.87E-04 | 1.87E-04 | 2.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.57E-04 | 1.06E-04 | 1.11E-04 | 1.49E-04 | 1.32E-04 | 1.94E-04 | 1.83E-04 | 1.37E-04 | 1.87E-04 | 1.87E-04 | 2.05E-04 |
| R MARROW | G | 4.55E-04 | 2.26E-04 | 1.88E-04 | 4.66E-04 | 3.91E-04 | 5.83E-04 | 4.62E-04 | 1.93E-04 | 2.36E-04 | 2.36E-04 | 2.52E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.55E-04 | 2.26E-04 | 1.88E-04 | 4.66E-04 | 3.91E-04 | 5.83E-04 | 4.62E-04 | 1.93E-04 | 2.36E-04 | 2.36E-04 | 2.52E-04 |
| Y MARROW | G | 2.49E-04 | 9.84E-05 | 1.55E-04 | 2.05E-04 | 1.88E-04 | 2.39E-04 | 2.27E-04 | 2.04E-04 | 1.96E-04 | 1.96E-04 | 2.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.49E-04 | 9.84E-05 | 1.55E-04 | 2.05E-04 | 1.88E-04 | 2.39E-04 | 2.27E-04 | 2.04E-04 | 1.96E-04 | 1.96E-04 | 2.05E-04 |
| T E CL | G | 2.57E-04 | 1.06E-04 | 1.11E-04 | 1.49E-04 | 1.32E-04 | 1.94E-04 | 1.83E-04 | 1.37E-04 | 1.87E-04 | 1.87E-04 | 2.05E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.57E-04 | 1.06E-04 | 1.11E-04 | 1.49E-04 | 1.32E-04 | 1.94E-04 | 1.83E-04 | 1.37E-04 | 1.87E-04 | 1.87E-04 | 2.05E-04 |
| SKIN | G | 1.34E-04 | 1.28E-04 | 1.13E-04 | 1.06E-04 | 1.03E-04 | 1.15E-04 | 1.23E-04 | 1.15E-04 | 1.27E-04 | 1.27E-04 | 1.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.34E-04 | 1.28E-04 | 1.13E-04 | 1.06E-04 | 1.03E-04 | 1.15E-04 | 1.23E-04 | 1.15E-04 | 1.27E-04 | 1.27E-04 | 1.73E-04 |
| SPLEEN | G | 1.11E-03 | 4.53E-05 | 1.73E-03 | 2.88E-04 | 2.56E-04 | 1.89E-04 | 1.53E-03 | 2.01E-04 | 3.93E-04 | 3.93E-04 | 2.71E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-03 | 4.53E-05 | 1.73E-03 | 2.88E-04 | 2.56E-04 | 1.89E-04 | 1.53E-03 | 2.01E-04 | 3.93E-04 | 3.93E-04 | 2.71E-04 |
| TESTES | G | 1.59E-05 | 8.72E-04 | 2.72E-05 | 9.44E-05 | 9.68E-05 | 2.97E-04 | 3.08E-05 | 3.96E-05 | 6.31E-06 | 6.31E-06 | 2.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.59E-05 | 8.72E-04 | 2.72E-05 | 9.44E-05 | 9.68E-05 | 2.97E-04 | 3.08E-05 | 3.96E-05 | 6.31E-06 | 6.31E-06 | 2.29E-04 |
| THYMUS | G | 1.17E-04 | 8.00E-06 | 1.33E-04 | 2.87E-05 | 3.11E-05 | 1.32E-05 | 3.09E-05 | 1.50E-04 | 7.63E-04 | 7.63E-04 | 3.02E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.17E-04 | 8.00E-06 | 1.33E-04 | 2.87E-05 | 3.11E-05 | 1.32E-05 | 3.09E-05 | 1.50E-04 | 7.63E-04 | 7.63E-04 | 3.02E-04 |
| THYROID | G | 4.03E-05 | 2.92E-06 | 3.11E-05 | 9.64E-06 | 1.02E-05 | 4.84E-06 | 2.05E-05 | 3.77E-05 | 2.33E-04 | 2.33E-04 | 2.51E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.03E-05 | 2.92E-06 | 3.11E-05 | 9.64E-06 | 1.02E-05 | 4.84E-06 | 2.05E-05 | 3.77E-05 | 2.33E-04 | 2.33E-04 | 2.51E-04 |
| UTERUS | G | 1.15E-04 | 2.65E-03 | 1.77E-04 | 1.55E-03 | 8.69E-04 | 1.05E-03 | 1.66E-04 | 7.94E-05 | 2.58E-05 | 2.58E-05 | 4.53E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.15E-04 | 2.65E-03 | 1.77E-04 | 1.55E-03 | 8.69E-04 | 1.05E-03 | 1.66E-04 | 7.94E-05 | 2.58E-05 | 2.58E-05 | 4.53E-04 |
| T BODY | G | 3.09E-04 | 3.40E-04 | 3.25E-04 | 3.57E-04 | 3.50E-04 | 3.47E-04 | 3.11E-04 | 3.11E-04 | 2.65E-04 | 2.65E-04 | 2.66E-04 |
| | B | 2.02E-04 | 2.27E-05 | 6.06E-05 | 1.62E-04 | 9.65E-05 | 1.20E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 |
| | T | 5.11E-04 | 3.62E-04 | 3.86E-04 | 5.18E-04 | 4.46E-04 | 4.67E-04 | 5.13E-04 | 5.13E-04 | 4.67E-04 | 4.67E-04 | 4.68E-04 |

CONTINUED NEXT PAGE

65-TERBIUM-160 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.01E-04 | 1.31E-03 | 3.37E-04 | 3.37E-04 | 5.03E-04 | 1.40E-04 | 1.53E-04 | 1.27E-03 | 1.59E-05 | 3.95E-05 | 3.70E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.01E-04 | 1.31E-03 | 3.37E-04 | 3.37E-04 | 5.03E-04 | 1.40E-04 | 1.53E-04 | 1.27E-03 | 1.59E-05 | 3.95E-05 | 5.72E-04 |
| BLAD WALL | G | 1.27E-03 | 2.96E-05 | 9.31E-05 | 9.31E-05 | 1.98E-04 | 6.20E-05 | 1.41E-04 | 5.84E-05 | 9.45E-04 | 2.93E-06 | 3.66E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.27E-03 | 2.96E-05 | 9.31E-05 | 9.31E-05 | 1.98E-04 | 6.20E-05 | 1.41E-04 | 5.84E-05 | 9.45E-04 | 2.93E-06 | 5.68E-04 |
| GI TRACT S WALL | G | 1.48E-04 | 3.09E-03 | 1.02E-04 | 1.02E-04 | 2.14E-04 | 1.40E-04 | 1.22E-04 | 1.72E-03 | 1.65E-05 | 2.56E-05 | 3.06E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.48E-04 | 3.09E-03 | 1.02E-04 | 1.02E-04 | 2.14E-04 | 1.40E-04 | 1.22E-04 | 1.72E-03 | 1.65E-05 | 2.56E-05 | 5.09E-04 |
| SI+CONT | G | 2.06E-03 | 3.31E-04 | 1.52E-04 | 1.52E-04 | 4.71E-04 | 1.89E-04 | 1.09E-04 | 2.59E-04 | 9.77E-05 | 6.94E-06 | 3.58E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 2.06E-03 | 3.31E-04 | 1.52E-04 | 1.52E-04 | 4.71E-04 | 1.89E-04 | 1.09E-04 | 2.59E-04 | 9.77E-05 | 6.94E-06 | 5.60E-04 |
| ULI WALL | G | 1.94E-03 | 4.02E-04 | 1.42E-04 | 1.42E-04 | 3.50E-04 | 1.64E-04 | 1.17E-04 | 2.58E-04 | 7.32E-05 | 7.77E-06 | 3.40E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.94E-03 | 4.02E-04 | 1.42E-04 | 1.42E-04 | 3.50E-04 | 1.64E-04 | 1.17E-04 | 2.58E-04 | 7.32E-05 | 7.77E-06 | 5.42E-04 |
| LLI WALL | G | 2.46E-03 | 1.08E-04 | 1.94E-04 | 1.94E-04 | 5.40E-04 | 1.56E-04 | 1.19E-04 | 1.18E-04 | 4.40E-04 | 4.18E-06 | 3.56E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 2.46E-03 | 1.08E-04 | 1.94E-04 | 1.94E-04 | 5.40E-04 | 1.56E-04 | 1.19E-04 | 1.18E-04 | 4.40E-04 | 4.18E-06 | 5.59E-04 |
| KIDNEYS | G | 2.00E-04 | 1.11E-03 | 2.08E-04 | 2.08E-04 | 4.36E-04 | 2.15E-04 | 1.42E-04 | 1.50E-03 | 2.61E-05 | 2.15E-05 | 3.25E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 2.00E-04 | 1.11E-03 | 2.08E-04 | 2.08E-04 | 4.36E-04 | 2.15E-04 | 1.42E-04 | 1.50E-03 | 2.61E-05 | 2.15E-05 | 5.28E-04 |
| LIVER | G | 1.20E-04 | 7.38E-04 | 1.33E-04 | 1.33E-04 | 1.85E-04 | 2.03E-04 | 1.24E-04 | 1.97E-04 | 1.83E-05 | 3.51E-05 | 3.26E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.20E-04 | 7.38E-04 | 1.33E-04 | 1.33E-04 | 1.85E-04 | 2.03E-04 | 1.24E-04 | 1.97E-04 | 1.83E-05 | 3.51E-05 | 5.28E-04 |
| LUNGS | G | 2.78E-05 | 4.24E-04 | 1.83E-04 | 1.83E-04 | 2.26E-04 | 1.90E-04 | 1.31E-04 | 3.90E-04 | 5.44E-06 | 2.07E-04 | 2.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 2.78E-05 | 4.24E-04 | 1.83E-04 | 1.83E-04 | 2.26E-04 | 1.90E-04 | 1.31E-04 | 3.90E-04 | 5.44E-06 | 2.07E-04 | 4.63E-04 |
| RESP LYM NODE | G | 2.78E-05 | 4.24E-04 | 1.83E-04 | 1.83E-04 | 2.26E-04 | 1.90E-04 | 1.31E-04 | 3.90E-04 | 5.44E-06 | 2.07E-04 | 2.61E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 2.78E-05 | 4.24E-04 | 1.83E-04 | 1.83E-04 | 2.26E-04 | 1.90E-04 | 1.31E-04 | 3.90E-04 | 5.44E-06 | 2.07E-04 | 4.63E-04 |
| MUSCLE* | G | 3.62E-04 | 3.25E-04 | 2.05E-04 | 2.05E-04 | 2.40E-04 | 1.88E-04 | 1.73E-04 | 2.71E-04 | 2.29E-04 | 2.51E-04 | 2.66E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 3.62E-04 | 3.25E-04 | 2.05E-04 | 2.05E-04 | 2.40E-04 | 1.88E-04 | 1.73E-04 | 2.71E-04 | 2.29E-04 | 2.51E-04 | 4.68E-04 |
| OVARIES | G | 1.40E-01 | 1.61E-04 | 1.74E-04 | 1.74E-04 | 5.24E-04 | 1.80E-04 | 1.06E-04 | 1.12E-04 | 9.22E-46 | 4.96E-06 | 2.76E-04 |
| | B | 1.29E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.43E 00 | 1.61E-04 | 1.74E-04 | 1.74E-04 | 5.24E-04 | 1.80E-04 | 1.06E-04 | 1.12E-04 | 9.22E-46 | 4.96E-06 | 4.78E-04 |

65-TERBIUM-160 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.51E-04 | 3.86E-02 | 1.87E-04 | 1.87E-04 | 2.32E-04 | 1.97E-04 | 9.57E-05 | 3.32E-03 | 1.87E-05 | 2.18E-05 | 3.10E-04 |
| | B | 0.0 | 1.41E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.51E-04 | 1.80E-01 | 1.87E-04 | 1.87E-04 | 2.32E-04 | 1.97E-04 | 9.57E-05 | 3.32E-03 | 1.87E-05 | 2.18E-05 | 5.12E-04 |
| SKELETON BONE | G | 1.73E-04 | 1.71E-04 | 6.51E-04 | 6.51E-04 | 4.31E-04 | 4.84E-04 | 1.63E-04 | 1.46E-04 | 1.24E-04 | 1.40E-04 | 2.75E-04 |
| | B | 0.0 | 0.0 | 2.83E-03 | 1.94E-03 | 5.92E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.73E-04 | 1.71E-04 | 3.48E-03 | 2.59E-03 | 1.02E-03 | 4.84E-04 | 1.63E-04 | 1.46E-04 | 1.24E-04 | 1.40E-04 | 4.77E-04 |
| R MARROW | G | 5.70E-04 | 3.19E-04 | 5.88E-04 | 5.88E-04 | 1.38E-03 | 4.98E-04 | 1.52E-04 | 2.13E-04 | 9.71E-05 | 1.51E-04 | 3.05E-04 |
| | B | 0.0 | 0.0 | 5.89E-05 | 2.96E-03 | 7.30E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 5.70E-04 | 3.19E-04 | 6.47E-04 | 3.55E-03 | 8.69E-03 | 4.98E-04 | 1.52E-04 | 2.13E-04 | 9.71E-05 | 1.51E-04 | 5.07E-04 |
| Y MARROW | G | 2.29E-04 | 2.01E-04 | 5.63E-04 | 5.63E-04 | 5.35E-04 | 8.30E-04 | 1.73E-04 | 2.17E-04 | 5.34E-05 | 7.54E-05 | 2.58E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.43E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 2.29E-04 | 2.01E-04 | 5.63E-04 | 5.63E-04 | 5.35E-04 | 1.03E-02 | 1.73E-04 | 2.17E-04 | 5.34E-05 | 7.54E-05 | 4.60E-04 |
| T E CL | G | 1.73E-04 | 1.71E-04 | 6.50E-04 | 6.50E-04 | 5.85E-04 | 5.38E-04 | 1.63E-04 | 1.46E-04 | 1.24E-04 | 1.40E-04 | 2.76E-04 |
| | B | 0.0 | 0.0 | 1.71E-03 | 3.13E-03 | 2.63E-03 | 2.36E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.73E-04 | 1.71E-04 | 2.36E-03 | 3.78E-03 | 3.21E-03 | 2.90E-03 | 1.63E-04 | 1.46E-04 | 1.24E-04 | 1.40E-04 | 4.78E-04 |
| SKIN | G | 1.03E-04 | 1.02E-04 | 1.59E-04 | 1.59E-04 | 1.39E-04 | 1.75E-04 | 3.89E-04 | 1.18E-04 | 2.91E-04 | 1.69E-04 | 1.74E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.44E-03 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.03E-04 | 1.02E-04 | 1.59E-04 | 1.59E-04 | 1.39E-04 | 1.75E-04 | 5.83E-03 | 1.18E-04 | 2.91E-04 | 1.69E-04 | 3.76E-04 |
| SPLEEN | G | 1.12E-04 | 3.33E-03 | 1.54E-04 | 1.54E-04 | 1.88E-04 | 2.08E-04 | 1.37E-04 | 2.34E-02 | 1.29E-05 | 3.61E-05 | 3.19E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.86E-02 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.12E-04 | 3.33E-03 | 1.54E-04 | 1.54E-04 | 1.88E-04 | 2.08E-04 | 1.37E-04 | 1.02E-01 | 1.29E-05 | 3.61E-05 | 5.21E-04 |
| TESTES | G | 9.22E-46 | 2.17E-05 | 1.24E-04 | 1.24E-04 | 7.26E-05 | 1.72E-04 | 1.75E-04 | 2.06E-05 | 6.56E-02 | 1.27E-06 | 3.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.04E-01 | 0.0 | 2.02E-04 |
| | T | 9.22E-46 | 2.17E-05 | 1.24E-04 | 1.24E-04 | 7.26E-05 | 1.72E-04 | 1.75E-04 | 2.06E-05 | 4.70E-01 | 1.27E-06 | 5.12E-04 |
| THYMUS | G | 1.39E-05 | 1.06E-04 | 1.40E-04 | 1.40E-04 | 1.32E-04 | 9.32E-05 | 1.35E-04 | 1.08E-04 | 3.31E-06 | 7.29E-04 | 2.73E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 1.39E-05 | 1.06E-04 | 1.40E-04 | 1.40E-04 | 1.32E-04 | 9.32E-05 | 1.35E-04 | 1.08E-04 | 3.31E-06 | 7.29E-04 | 4.75E-04 |
| THYROID | G | 4.96E-06 | 1.53E-05 | 1.29E-04 | 1.29E-04 | 1.66E-04 | 1.13E-04 | 1.38E-04 | 3.04E-05 | 1.27E-06 | 8.87E-02 | 2.78E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.07E-01 | 2.02E-04 |
| | T | 4.96E-06 | 1.53E-05 | 1.29E-04 | 1.29E-04 | 1.66E-04 | 1.13E-04 | 1.38E-04 | 3.04E-05 | 1.27E-06 | 7.96E-01 | 4.80E-04 |
| UTERUS | G | 3.12E-03 | 1.12E-04 | 1.54E-04 | 1.54E-04 | 3.14E-04 | 1.19E-04 | 1.31E-04 | 9.88E-05 | 9.22E-46 | 4.74E-06 | 4.10E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.02E-04 |
| | T | 3.12E-03 | 1.12E-04 | 1.54E-04 | 1.54E-04 | 3.14E-04 | 1.19E-04 | 1.31E-04 | 9.88E-05 | 9.22E-46 | 4.74E-06 | 6.12E-04 |
| T BODY | G | 3.63E-04 | 3.55E-04 | 2.67E-04 | 2.67E-04 | 2.94E-04 | 2.37E-04 | 1.74E-04 | 3.10E-04 | 2.64E-04 | 2.40E-04 | 2.66E-04 |
| | B | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 | 2.02E-04 |
| | T | 5.65E-04 | 5.57E-04 | 4.69E-04 | 4.69E-04 | 4.96E-04 | 4.39E-04 | 3.76E-04 | 5.12E-04 | 4.66E-04 | 4.43E-04 | 4.69E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-KELLER, G. E. AND ZGANJAR, E. F., NUCL. PHYS. A147, 527 (1970)
DATE DECAY DATA REVIEWED-JULY 1972

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 66-DYSPROSIUM-157 (TR=8.100E 00 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.33E-02 | 1.18E-05 | 1.45E-04 | 8.43E-05 | 5.76E-05 | 2.74E-05 | 7.32E-04 | 3.18E-04 | 1.55E-04 | 1.55E-04 | 9.68E-05 |
| | B | 5.23E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.55E-02 | 1.18E-05 | 1.45E-04 | 8.43E-05 | 5.76E-05 | 2.74E-05 | 7.32E-04 | 3.18E-04 | 1.55E-04 | 1.55E-04 | 9.68E-05 |
| BLAD WALL | G | 6.54E-06 | 5.04E-03 | 1.84E-05 | 1.79E-04 | 1.25E-04 | 4.01E-04 | 1.93E-05 | 1.33E-05 | 3.41E-06 | 3.41E-06 | 1.15E-04 |
| | B | 0.0 | 1.83E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.54E-06 | 6.87E-03 | 1.84E-05 | 1.79E-04 | 1.25E-04 | 4.01E-04 | 1.93E-05 | 1.33E-05 | 3.41E-06 | 3.41E-06 | 1.15E-04 |
| GI TRACT S WALL | G | 1.82E-04 | 1.72E-05 | 3.59E-03 | 2.28E-04 | 2.42E-04 | 1.12E-04 | 2.12E-04 | 1.21E-04 | 1.19E-04 | 1.19E-04 | 9.08E-05 |
| | B | 0.0 | 0.0 | 1.46E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.82E-04 | 1.72E-05 | 5.05E-03 | 2.28E-04 | 2.42E-04 | 1.12E-04 | 2.12E-04 | 1.21E-04 | 1.19E-04 | 1.19E-04 | 9.08E-05 |
| SI+CONT | G | 5.27E-05 | 1.73E-04 | 1.65E-04 | 2.14E-03 | 1.12E-03 | 6.16E-04 | 1.76E-04 | 1.01E-04 | 1.33E-05 | 1.33E-05 | 9.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 9.15E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.27E-05 | 1.73E-04 | 1.65E-04 | 3.06E-03 | 1.12E-03 | 6.16E-04 | 1.76E-04 | 1.01E-04 | 1.33E-05 | 1.33E-05 | 9.93E-05 |
| ULI WALL | G | 5.77E-05 | 1.44E-04 | 2.24E-04 | 1.61E-03 | 2.94E-03 | 2.78E-04 | 1.78E-04 | 1.58E-04 | 1.72E-05 | 1.72E-05 | 1.04E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.66E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.77E-05 | 1.44E-04 | 2.24E-04 | 1.61E-03 | 4.60E-03 | 2.78E-04 | 1.78E-04 | 1.58E-04 | 1.72E-05 | 1.72E-05 | 1.04E-04 |
| LLI WALL | G | 1.61E-05 | 4.65E-04 | 7.86E-05 | 4.72E-04 | 1.94E-04 | 3.51E-03 | 5.05E-05 | 1.56E-05 | 5.55E-06 | 5.55E-06 | 1.08E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.71E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.61E-05 | 4.65E-04 | 7.86E-05 | 4.72E-04 | 1.94E-04 | 6.22E-03 | 5.05E-05 | 1.56E-05 | 5.55E-06 | 5.55E-06 | 1.08E-04 |
| KIDNEYS | G | 7.61E-04 | 1.85E-05 | 2.17E-04 | 1.92E-04 | 1.72E-04 | 5.43E-05 | 5.05E-03 | 2.45E-04 | 5.71E-05 | 5.71E-05 | 9.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.36E-03 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 7.61E-04 | 1.85E-05 | 2.17E-04 | 1.92E-04 | 1.72E-04 | 5.43E-05 | 7.42E-03 | 2.45E-04 | 5.71E-05 | 5.71E-05 | 9.11E-05 |
| LIVER | G | 3.20E-04 | 1.38E-05 | 1.24E-04 | 1.14E-04 | 1.61E-04 | 1.78E-05 | 2.49E-04 | 1.77E-03 | 1.59E-04 | 1.59E-04 | 7.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-04 | 0.0 | 0.0 | 0.0 |
| | T | 3.20E-04 | 1.38E-05 | 1.24E-04 | 1.14E-04 | 1.61E-04 | 1.78E-05 | 2.49E-04 | 2.17E-03 | 1.59E-04 | 1.59E-04 | 7.01E-05 |
| LUNGS | G | 1.55E-04 | 1.96E-06 | 1.14E-04 | 1.65E-05 | 1.76E-05 | 5.32E-06 | 5.40E-05 | 1.63E-04 | 1.07E-03 | 1.07E-03 | 8.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.32E-04 | 7.32E-04 | 0.0 |
| | T | 1.55E-04 | 1.96E-06 | 1.14E-04 | 1.65E-05 | 1.76E-05 | 5.32E-06 | 5.40E-05 | 1.63E-04 | 1.80E-03 | 1.80E-03 | 8.71E-05 |
| RESP LYM NODE | G | 1.55E-04 | 1.96E-06 | 1.14E-04 | 1.65E-05 | 1.76E-05 | 5.32E-06 | 5.40E-05 | 1.63E-04 | 1.05E-03 | 1.07E-03 | 8.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.90E-04 | 4.88E-02 | 0.0 |
| | T | 1.55E-04 | 1.96E-06 | 1.14E-04 | 1.65E-05 | 1.76E-05 | 5.32E-06 | 5.40E-05 | 1.63E-04 | 1.44E-03 | 4.99E-02 | 8.71E-05 |
| MUSCLE* | G | 9.68E-05 | 1.15E-04 | 9.09E-05 | 9.93E-05 | 9.46E-05 | 1.08E-04 | 9.11E-05 | 7.01E-05 | 8.71E-05 | 8.71E-05 | 9.65E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.61E-05 |
| | T | 9.68E-05 | 1.15E-04 | 9.09E-05 | 9.93E-05 | 9.46E-05 | 1.08E-04 | 9.11E-05 | 7.01E-05 | 8.71E-05 | 8.71E-05 | 1.23E-04 |
| OVARIES | G | 3.24E-05 | 4.54E-04 | 2.88E-05 | 6.60E-04 | 7.75E-04 | 1.24E-03 | 7.20E-05 | 2.29E-05 | 7.80E-06 | 7.80E-06 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.24E-05 | 4.54E-04 | 2.88E-05 | 6.60E-04 | 7.75E-04 | 1.24E-03 | 7.20E-05 | 2.29E-05 | 7.80E-06 | 7.80E-06 | 1.29E-04 |

66-DYSPROSIUM-157 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 5.52E-04 | 1.63E-05 | 1.20E-03 | 1.26E-04 | 1.32E-04 | 4.23E-05 | 4.13E-04 | 2.71E-04 | 1.67E-04 | 1.67E-04 | 1.17E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.52E-04 | 1.63E-05 | 1.20E-03 | 1.26E-04 | 1.32E-04 | 4.23E-05 | 4.13E-04 | 2.71E-04 | 1.67E-04 | 1.67E-04 | 1.17E-04 |
| SKELETON BONE | G | 1.12E-04 | 4.48E-05 | 4.67E-05 | 6.44E-05 | 5.83E-05 | 8.94E-05 | 7.78E-05 | 5.95E-05 | 8.20E-05 | 8.20E-05 | 6.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-04 | 4.48E-05 | 4.67E-05 | 6.44E-05 | 5.83E-05 | 8.94E-05 | 7.78E-05 | 5.95E-05 | 8.20E-05 | 8.20E-05 | 6.60E-05 |
| R MARROW | G | 2.00E-04 | 1.04E-04 | 8.01E-05 | 2.16E-04 | 1.87E-04 | 2.86E-04 | 2.02E-04 | 8.29E-05 | 1.03E-04 | 1.03E-04 | 1.12E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.00E-04 | 1.04E-04 | 8.01E-05 | 2.16E-04 | 1.87E-04 | 2.86E-04 | 2.02E-04 | 8.29E-05 | 1.03E-04 | 1.03E-04 | 1.12E-04 |
| Y MARROW | G | 1.07E-04 | 4.21E-05 | 6.55E-05 | 8.99E-05 | 8.34E-05 | 1.13E-04 | 9.57E-05 | 8.91E-05 | 8.66E-05 | 8.66E-05 | 8.85E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.07E-04 | 4.21E-05 | 6.55E-05 | 8.99E-05 | 8.34E-05 | 1.13E-04 | 9.57E-05 | 8.91E-05 | 8.66E-05 | 8.66E-05 | 8.85E-05 |
| T E CL | G | 1.12E-04 | 4.48E-05 | 4.67E-05 | 6.44E-05 | 5.83E-05 | 8.94E-05 | 7.78E-05 | 5.95E-05 | 8.20E-05 | 8.20E-05 | 6.60E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.12E-04 | 4.48E-05 | 4.67E-05 | 6.44E-05 | 5.83E-05 | 8.94E-05 | 7.78E-05 | 5.95E-05 | 8.20E-05 | 8.20E-05 | 6.60E-05 |
| SKIN | G | 3.84E-05 | 3.70E-05 | 3.21E-05 | 2.94E-05 | 3.02E-05 | 3.38E-05 | 3.81E-05 | 3.43E-05 | 3.85E-05 | 3.85E-05 | 5.31E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.84E-05 | 3.70E-05 | 3.21E-05 | 2.94E-05 | 3.02E-05 | 3.38E-05 | 3.81E-05 | 3.43E-05 | 3.85E-05 | 3.85E-05 | 5.31E-05 |
| SPLEEN | G | 4.26E-04 | 1.04E-05 | 6.48E-04 | 9.46E-05 | 8.28E-05 | 5.13E-05 | 5.77E-04 | 5.76E-05 | 1.44E-04 | 1.44E-04 | 9.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.26E-04 | 1.04E-05 | 6.48E-04 | 9.46E-05 | 8.28E-05 | 5.13E-05 | 5.77E-04 | 5.76E-05 | 1.44E-04 | 1.44E-04 | 9.53E-05 |
| TESTES | G | 3.14E-06 | 3.07E-04 | 2.80E-06 | 2.05E-05 | 2.29E-05 | 1.27E-04 | 7.31E-06 | 5.40E-06 | 9.80E-07 | 9.80E-07 | 7.62E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.14E-06 | 3.07E-04 | 2.80E-06 | 2.05E-05 | 2.29E-05 | 1.27E-04 | 7.31E-06 | 5.40E-06 | 9.80E-07 | 9.80E-07 | 7.62E-05 |
| THYMUS | G | 3.58E-05 | 1.29E-06 | 1.56E-05 | 6.75E-06 | 7.48E-06 | 2.59E-06 | 1.61E-05 | 5.36E-05 | 2.50E-04 | 2.50E-04 | 1.55E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.58E-05 | 1.29E-06 | 1.56E-05 | 6.75E-06 | 7.48E-06 | 2.59E-06 | 1.61E-05 | 5.36E-05 | 2.50E-04 | 2.50E-04 | 1.55E-04 |
| THYROID | G | 9.92E-06 | 3.36E-07 | 7.47E-06 | 1.66E-06 | 1.80E-06 | 7.02E-07 | 4.37E-06 | 1.17E-05 | 5.80E-05 | 5.80E-05 | 8.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.92E-06 | 3.36E-07 | 7.47E-06 | 1.66E-06 | 1.80E-06 | 7.02E-07 | 4.37E-06 | 1.17E-05 | 5.80E-05 | 5.80E-05 | 8.90E-05 |
| UTERUS | G | 8.66E-05 | 1.03E-03 | 4.93E-05 | 6.05E-04 | 3.01E-04 | 4.19E-04 | 5.71E-05 | 2.41E-05 | 5.63E-06 | 5.63E-06 | 1.42E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.66E-05 | 1.03E-03 | 4.93E-05 | 6.05E-04 | 3.01E-04 | 4.19E-04 | 5.71E-05 | 2.41E-05 | 5.63E-06 | 5.63E-06 | 1.42E-04 |
| T BODY | G | 1.11E-04 | 1.23E-04 | 1.17E-04 | 1.31E-04 | 1.27E-04 | 1.27E-04 | 1.11E-04 | 1.13E-04 | 9.84E-05 | 9.84E-05 | 9.12E-05 |
| | B | 1.05E-05 | 1.18E-06 | 3.14E-06 | 8.36E-06 | 4.99E-06 | 6.20E-06 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 |
| | T | 1.22E-04 | 1.24E-04 | 1.21E-04 | 1.39E-04 | 1.32E-04 | 1.33E-04 | 1.22E-04 | 1.23E-04 | 1.09E-04 | 1.09E-04 | 1.02E-04 |

CONTINUED NEXT PAGE

66-DYSPROSIUM-157 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 2.70E-05 | 5.46E-04 | 8.92E-05 | 8.92E-05 | 1.42E-04 | 7.75E-05 | 4.65E-05 | 4.11E-04 | 3.14E-06 | 9.92E-06 | 1.24E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 2.70E-05 | 5.46E-04 | 8.92E-05 | 8.92E-05 | 1.42E-04 | 7.75E-05 | 4.65E-05 | 4.11E-04 | 3.14E-06 | 9.92E-06 | 1.35E-04 |
| BLAD WALL | G | 4.43E-04 | 9.81E-06 | 3.26E-05 | 3.26E-05 | 4.61E-05 | 1.96E-05 | 3.52E-05 | 8.99E-06 | 3.14E-04 | 3.39E-07 | 1.18E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 4.43E-04 | 9.81E-06 | 3.26E-05 | 3.26E-05 | 4.61E-05 | 1.96E-05 | 3.52E-05 | 8.99E-06 | 3.14E-04 | 3.39E-07 | 1.28E-04 |
| GI TRACT S WALL | G | 4.84E-05 | 1.21E-03 | 3.51E-05 | 3.51E-05 | 6.39E-05 | 4.59E-05 | 3.73E-05 | 6.37E-04 | 4.31E-06 | 4.54E-06 | 1.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 4.84E-05 | 1.21E-03 | 3.51E-05 | 3.51E-05 | 6.39E-05 | 4.59E-05 | 3.73E-05 | 6.37E-04 | 4.31E-06 | 4.54E-06 | 1.30E-04 |
| SI+CONT | G | 7.95E-04 | 1.11E-04 | 4.82E-05 | 4.82E-05 | 1.63E-04 | 6.54E-05 | 3.11E-05 | 8.56E-05 | 2.70E-05 | 6.93E-07 | 1.30E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 7.95E-04 | 1.11E-04 | 4.82E-05 | 4.82E-05 | 1.63E-04 | 6.54E-05 | 3.11E-05 | 8.56E-05 | 2.70E-05 | 6.93E-07 | 1.40E-04 |
| ULI WALL | G | 7.51E-04 | 1.34E-04 | 4.45E-05 | 4.45E-05 | 1.30E-04 | 5.63E-05 | 3.16E-05 | 8.09E-05 | 2.03E-05 | 6.14E-07 | 1.23E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 7.51E-04 | 1.34E-04 | 4.45E-05 | 4.45E-05 | 1.30E-04 | 5.63E-05 | 3.16E-05 | 8.09E-05 | 2.03E-05 | 6.14E-07 | 1.33E-04 |
| LLI WALL | G | 9.74E-04 | 3.34E-05 | 6.36E-05 | 6.36E-05 | 1.89E-04 | 5.51E-05 | 3.26E-05 | 3.96E-05 | 1.77E-04 | 5.79E-07 | 1.20E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 9.74E-04 | 3.34E-05 | 6.36E-05 | 6.36E-05 | 1.89E-04 | 5.51E-05 | 3.26E-05 | 3.96E-05 | 1.77E-04 | 5.79E-07 | 1.31E-04 |
| KIDNEYS | G | 6.13E-05 | 4.07E-04 | 5.59E-05 | 5.59E-05 | 1.42E-04 | 6.98E-05 | 4.33E-05 | 5.84E-04 | 4.22E-06 | 2.42E-06 | 1.13E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 6.13E-05 | 4.07E-04 | 5.59E-05 | 5.59E-05 | 1.42E-04 | 6.98E-05 | 4.33E-05 | 5.84E-04 | 4.22E-06 | 2.42E-06 | 1.23E-04 |
| LIVER | G | 3.50E-05 | 2.74E-04 | 4.19E-05 | 4.19E-05 | 6.02E-05 | 6.38E-05 | 3.79E-05 | 6.21E-05 | 2.55E-06 | 7.77E-06 | 1.11E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 3.50E-05 | 2.74E-04 | 4.19E-05 | 4.19E-05 | 6.02E-05 | 6.38E-05 | 3.79E-05 | 6.21E-05 | 2.55E-06 | 7.77E-06 | 1.22E-04 |
| LUNGS | G | 5.00E-06 | 1.58E-04 | 6.19E-05 | 6.19E-05 | 7.54E-05 | 6.30E-05 | 4.14E-05 | 1.45E-04 | 7.23E-07 | 6.11E-05 | 9.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 5.00E-06 | 1.58E-04 | 6.19E-05 | 6.19E-05 | 7.54E-05 | 6.30E-05 | 4.14E-05 | 1.45E-04 | 7.23E-07 | 6.11E-05 | 1.09E-04 |
| RESP LYM NODE | G | 5.00E-06 | 1.58E-04 | 6.19E-05 | 6.19E-05 | 7.54E-05 | 6.30E-05 | 4.14E-05 | 1.45E-04 | 7.23E-07 | 6.11E-05 | 9.90E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 5.00E-06 | 1.58E-04 | 6.19E-05 | 6.19E-05 | 7.54E-05 | 6.30E-05 | 4.14E-05 | 1.45E-04 | 7.23E-07 | 6.11E-05 | 1.09E-04 |
| MUSCLE* | G | 1.29E-04 | 1.17E-04 | 6.60E-05 | 6.60E-05 | 7.89E-05 | 6.04E-05 | 5.31E-05 | 9.53E-05 | 7.62E-05 | 8.90E-05 | 9.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 1.29E-04 | 1.17E-04 | 6.60E-05 | 6.60E-05 | 7.89E-05 | 6.04E-05 | 5.31E-05 | 9.53E-05 | 7.62E-05 | 8.90E-05 | 1.02E-04 |
| OVARIES | G | 5.63E-02 | 2.08E-05 | 5.34E-05 | 5.34E-05 | 1.81E-04 | 7.16E-05 | 2.58E-05 | 4.46E-05 | 1.47E-45 | 6.82E-07 | 1.16E-04 |
| | B | 6.65E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 1.23E-01 | 2.08E-05 | 5.34E-05 | 5.34E-05 | 1.81E-04 | 7.16E-05 | 2.58E-05 | 4.46E-05 | 1.47E-45 | 6.82E-07 | 1.26E-04 |

66-DYSPROSIUM-157 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.99E-05 | 1.49E-02 | 6.11E-05 | 6.11E-05 | 1.02E-04 | 7.83E-05 | 3.45E-05 | 1.30E-03 | 3.38E-06 | 5.25E-06 | 1.31E-04 |
| | B | 0.0 | 7.32E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 2.99E-05 | 2.23E-02 | 6.11E-05 | 6.11E-05 | 1.02E-04 | 7.83E-05 | 3.45E-05 | 1.30E-03 | 3.38E-06 | 5.25E-06 | 1.41E-04 |
| SKELETON BONE | G | 7.93E-05 | 7.35E-05 | 2.91E-04 | 2.91E-04 | 1.92E-04 | 2.17E-04 | 6.22E-05 | 6.17E-05 | 4.68E-05 | 5.49E-05 | 1.19E-04 |
| | B | 0.0 | 0.0 | 1.46E-04 | 1.28E-04 | 1.24E-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 7.93E-05 | 7.35E-05 | 4.38E-04 | 4.19E-04 | 2.04E-04 | 2.17E-04 | 6.22E-05 | 6.17E-05 | 4.68E-05 | 5.49E-05 | 1.30E-04 |
| R MARROW | G | 2.81E-04 | 1.40E-04 | 2.62E-04 | 2.62E-04 | 6.53E-04 | 2.22E-04 | 5.82E-05 | 8.97E-05 | 3.74E-05 | 5.94E-05 | 1.36E-04 |
| | B | 0.0 | 0.0 | 1.08E-06 | 6.22E-05 | 4.44E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 2.81E-04 | 1.40E-04 | 2.63E-04 | 3.24E-04 | 1.10E-03 | 2.22E-04 | 5.82E-05 | 8.97E-05 | 3.74E-05 | 5.94E-05 | 1.46E-04 |
| Y MARROW | G | 1.07E-04 | 8.53E-05 | 2.54E-04 | 2.54E-04 | 2.42E-04 | 3.91E-04 | 6.68E-05 | 9.28E-05 | 1.83E-05 | 2.85E-05 | 1.13E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.88E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 1.07E-04 | 8.53E-05 | 2.54E-04 | 2.54E-04 | 2.42E-04 | 8.79E-04 | 6.68E-05 | 9.28E-05 | 1.83E-05 | 2.85E-05 | 1.24E-04 |
| T E CL | G | 7.93E-05 | 7.35E-05 | 2.89E-04 | 2.89E-04 | 2.70E-04 | 2.47E-04 | 6.22E-05 | 6.17E-05 | 4.68E-05 | 5.49E-05 | 1.20E-04 |
| | B | 0.0 | 0.0 | 4.42E-05 | 8.37E-05 | 1.88E-04 | 1.22E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 7.93E-05 | 7.35E-05 | 3.33E-04 | 3.73E-04 | 4.58E-04 | 3.69E-04 | 6.22E-05 | 6.17E-05 | 4.68E-05 | 5.49E-05 | 1.30E-04 |
| SKIN | G | 2.89E-05 | 2.80E-05 | 4.81E-05 | 4.81E-05 | 4.28E-05 | 5.39E-05 | 1.38E-04 | 3.43E-05 | 9.97E-05 | 5.32E-05 | 5.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.81E-04 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 2.89E-05 | 2.80E-05 | 4.81E-05 | 4.81E-05 | 4.28E-05 | 5.39E-05 | 4.19E-04 | 3.43E-05 | 9.97E-05 | 5.32E-05 | 6.45E-05 |
| SPLEEN | G | 3.53E-05 | 1.30E-03 | 4.51E-05 | 4.51E-05 | 5.38E-05 | 6.41E-05 | 3.80E-05 | 9.08E-03 | 3.69E-06 | 7.02E-06 | 1.16E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.07E-03 | 0.0 | 0.0 | 1.05E-05 |
| | T | 3.53E-05 | 1.30E-03 | 4.51E-05 | 4.51E-05 | 5.38E-05 | 6.41E-05 | 3.80E-05 | 1.31E-02 | 3.69E-06 | 7.02E-06 | 1.26E-04 |
| TESTES | G | 1.47E-45 | 3.95E-06 | 3.62E-05 | 3.62E-05 | 2.12E-05 | 6.35E-05 | 6.46E-05 | 4.41E-06 | 2.51E-02 | 1.09E-07 | 9.12E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.09E-02 | 0.0 | 1.05E-05 |
| | T | 1.47E-45 | 3.95E-06 | 3.62E-05 | 3.62E-05 | 2.12E-05 | 6.35E-05 | 6.46E-05 | 4.41E-06 | 4.60E-02 | 1.09E-07 | 1.02E-04 |
| THYMUS | G | 2.66E-06 | 4.23E-05 | 3.54E-05 | 3.54E-05 | 3.93E-05 | 3.73E-05 | 4.62E-05 | 2.33E-05 | 3.99E-07 | 2.76E-04 | 1.32E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 2.66E-06 | 4.23E-05 | 3.54E-05 | 3.54E-05 | 3.93E-05 | 3.73E-05 | 4.62E-05 | 2.33E-05 | 3.99E-07 | 2.76E-04 | 1.42E-04 |
| THYROID | G | 6.82E-07 | 9.37E-06 | 6.04E-05 | 6.04E-05 | 4.75E-05 | 5.77E-05 | 5.09E-05 | 7.20E-06 | 1.09E-07 | 3.45E-02 | 8.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.66E-02 | 1.05E-05 |
| | T | 6.82E-07 | 9.37E-06 | 6.04E-05 | 6.04E-05 | 4.75E-05 | 5.77E-05 | 5.09E-05 | 7.20E-06 | 1.09E-07 | 7.10E-02 | 9.81E-05 |
| UTERUS | G | 1.34E-03 | 3.68E-05 | 3.63E-05 | 3.63E-05 | 1.32E-04 | 4.00E-05 | 2.85E-05 | 2.45E-05 | 1.47E-45 | 6.42E-07 | 1.29E-04 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.05E-05 |
| | T | 1.34E-03 | 3.68E-05 | 3.63E-05 | 3.63E-05 | 1.32E-04 | 4.00E-05 | 2.85E-05 | 2.45E-05 | 1.47E-45 | 6.42E-07 | 1.39E-04 |
| T BODY | G | 1.34E-04 | 1.31E-04 | 9.80E-05 | 9.80E-05 | 1.08E-04 | 8.67E-05 | 5.59E-05 | 1.13E-04 | 9.13E-05 | 8.55E-05 | 9.54E-05 |
| | B | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 1.05E-05 |
| | T | 1.44E-04 | 1.41E-04 | 1.08E-04 | 1.08E-04 | 1.18E-04 | 9.71E-05 | 6.63E-05 | 1.23E-04 | 1.02E-04 | 9.59E-05 | 1.06E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-LEDERER, C. M. ET AL., TABLE OF ISOTOPES, 6TH ED.
DATE DECAY DATA REVIEWED-DECEMBER 1968

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 66-DYSPROSIUM-166 (TR=8.150E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 8.04E-03 | 5.23E-07 | 2.18E-05 | 5.60E-06 | 6.34E-06 | 1.72E-06 | 1.19E-04 | 4.10E-05 | 2.14E-05 | 2.14E-05 | 1.38E-05 |
| | B | 5.80E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.89E-01 | 5.23E-07 | 2.18E-05 | 5.60E-06 | 6.34E-06 | 1.72E-06 | 1.19E-04 | 4.10E-05 | 2.14E-05 | 2.14E-05 | 1.38E-05 |
| BLAD WALL | G | 4.64E-07 | 8.94E-04 | 1.43E-06 | 2.01E-05 | 1.49E-05 | 6.12E-05 | 1.09E-06 | 7.23E-07 | 1.59E-07 | 1.59E-07 | 1.70E-05 |
| | B | 0.0 | 2.03E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.64E-07 | 2.12E-02 | 1.43E-06 | 2.01E-05 | 1.49E-05 | 6.12E-05 | 1.09E-06 | 7.23E-07 | 1.59E-07 | 1.59E-07 | 1.70E-05 |
| GI TRACT S WALL | G | 2.26E-05 | 1.23E-06 | 6.34E-04 | 3.26E-05 | 3.76E-05 | 1.48E-05 | 2.93E-05 | 1.60E-05 | 1.72E-05 | 1.72E-05 | 1.31E-05 |
| | B | 0.0 | 0.0 | 1.63E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.26E-05 | 1.23E-06 | 1.69E-02 | 3.26E-05 | 3.76E-05 | 1.48E-05 | 2.93E-05 | 1.60E-05 | 1.72E-05 | 1.72E-05 | 1.31E-05 |
| SI+CONT | G | 4.74E-06 | 2.32E-05 | 2.25E-05 | 3.86E-04 | 1.89E-04 | 1.00E-04 | 2.30E-05 | 1.22E-05 | 9.34E-07 | 9.34E-07 | 1.40E-05 |
| | B | 0.0 | 0.0 | 0.0 | 1.02E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.74E-06 | 2.32E-05 | 2.25E-05 | 1.05E-02 | 1.89E-04 | 1.00E-04 | 2.30E-05 | 1.22E-05 | 9.34E-07 | 9.34E-07 | 1.40E-05 |
| ULI WALL | G | 5.71E-06 | 1.63E-05 | 3.41E-05 | 2.87E-04 | 5.14E-04 | 4.20E-05 | 2.22E-05 | 2.20E-05 | 1.24E-06 | 1.24E-06 | 1.47E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.85E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.71E-06 | 1.63E-05 | 3.41E-05 | 2.87E-04 | 1.90E-02 | 4.20E-05 | 2.22E-05 | 2.20E-05 | 1.24E-06 | 1.24E-06 | 1.47E-05 |
| LLI WALL | G | 1.11E-06 | 7.42E-05 | 8.98E-06 | 8.00E-05 | 2.90E-05 | 6.04E-04 | 4.03E-06 | 1.00E-06 | 2.47E-07 | 2.47E-07 | 1.53E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.11E-06 | 7.42E-05 | 8.98E-06 | 8.00E-05 | 2.90E-05 | 3.07E-02 | 4.03E-06 | 1.00E-06 | 2.47E-07 | 2.47E-07 | 1.53E-05 |
| KIDNEYS | G | 1.13E-04 | 1.18E-06 | 2.98E-05 | 2.46E-05 | 2.31E-05 | 5.28E-06 | 9.88E-04 | 3.58E-05 | 5.94E-06 | 5.94E-06 | 1.29E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.62E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.13E-04 | 1.18E-06 | 2.98E-05 | 2.46E-05 | 2.31E-05 | 5.28E-06 | 2.72E-02 | 3.58E-05 | 5.94E-06 | 5.94E-06 | 1.29E-05 |
| LIVER | G | 4.71E-05 | 7.68E-07 | 1.57E-05 | 1.45E-05 | 2.17E-05 | 1.19E-06 | 3.57E-05 | 3.21E-04 | 2.37E-05 | 2.37E-05 | 9.84E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.51E-03 | 0.0 | 0.0 | 0.0 |
| | T | 4.71E-05 | 7.68E-07 | 1.57E-05 | 1.45E-05 | 2.17E-05 | 1.19E-06 | 3.57E-05 | 4.84E-03 | 2.37E-05 | 2.37E-05 | 9.84E-06 |
| LUNGS | G | 2.21E-05 | 8.34E-08 | 1.73E-05 | 1.14E-06 | 1.42E-06 | 3.34E-07 | 6.30E-06 | 2.62E-05 | 2.29E-04 | 2.29E-04 | 1.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.13E-03 | 8.13E-03 | 0.0 |
| | T | 2.21E-05 | 8.34E-08 | 1.73E-05 | 1.14E-06 | 1.42E-06 | 3.34E-07 | 6.30E-06 | 2.62E-05 | 8.36E-03 | 8.36E-03 | 1.33E-05 |
| RESP LYM NODE | G | 2.21E-05 | 8.34E-08 | 1.73E-05 | 1.14E-06 | 1.42E-06 | 3.34E-07 | 6.30E-06 | 2.62E-05 | 2.11E-04 | 2.29E-04 | 1.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.68E-03 | 5.42E-01 | 0.0 |
| | T | 2.21E-05 | 8.34E-08 | 1.73E-05 | 1.14E-06 | 1.42E-06 | 3.34E-07 | 6.30E-06 | 2.62E-05 | 7.89E-03 | 5.42E-01 | 1.33E-05 |
| MUSCLE* | G | 1.38E-05 | 1.70E-05 | 1.34E-05 | 1.40E-05 | 1.35E-05 | 1.53E-05 | 1.29E-05 | 9.84E-06 | 1.33E-05 | 1.33E-05 | 1.48E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.90E-04 |
| | T | 1.38E-05 | 1.70E-05 | 1.34E-05 | 1.40E-05 | 1.35E-05 | 1.53E-05 | 1.29E-05 | 9.84E-06 | 1.33E-05 | 1.33E-05 | 3.05E-04 |
| OVARIES | G | 2.23E-06 | 6.51E-05 | 4.20E-06 | 1.15E-04 | 1.09E-04 | 1.97E-04 | 7.25E-06 | 2.78E-06 | 5.20E-07 | 5.20E-07 | 1.89E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.23E-06 | 6.51E-05 | 4.20E-06 | 1.15E-04 | 1.09E-04 | 1.97E-04 | 7.25E-06 | 2.78E-06 | 5.20E-07 | 5.20E-07 | 1.89E-05 |

66-DYSPROSIUM-166 CONTINUED

S O U R C E  O R G A N S

| TARGET ORGANS | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 8.58E-05 | 8.70E-07 | 2.01E-04 | 1.51E-05 | 1.56E-05 | 3.97E-06 | 5.90E-05 | 4.01E-05 | 2.34E-05 | 2.34E-05 | 1.77E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.58E-05 | 8.70E-07 | 2.01E-04 | 1.51E-05 | 1.56E-05 | 3.97E-06 | 5.90E-05 | 4.01E-05 | 2.34E-05 | 2.34E-05 | 1.77E-05 |
| SKELETON BONE | G | 2.68E-05 | 7.65E-06 | 9.40E-06 | 1.39E-05 | 1.25E-05 | 2.18E-05 | 1.73E-05 | 1.31E-05 | 1.98E-05 | 1.98E-05 | 7.52E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.68E-05 | 7.65E-06 | 9.40E-06 | 1.39E-05 | 1.25E-05 | 2.18E-05 | 1.73E-05 | 1.31E-05 | 1.98E-05 | 1.98E-05 | 7.52E-06 |
| R MARROW | G | 4.62E-05 | 2.10E-05 | 1.49E-05 | 5.09E-05 | 4.38E-05 | 7.74E-05 | 4.61E-05 | 1.62E-05 | 2.42E-05 | 2.42E-05 | 2.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.62E-05 | 2.10E-05 | 1.49E-05 | 5.09E-05 | 4.38E-05 | 7.74E-05 | 4.61E-05 | 1.62E-05 | 2.42E-05 | 2.42E-05 | 2.63E-05 |
| Y MARROW | G | 2.49E-05 | 7.83E-06 | 1.36E-05 | 1.97E-05 | 1.82E-05 | 2.88E-05 | 2.10E-05 | 2.04E-05 | 2.14E-05 | 2.14E-05 | 2.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.49E-05 | 7.83E-06 | 1.36E-05 | 1.97E-05 | 1.82E-05 | 2.88E-05 | 2.10E-05 | 2.04E-05 | 2.14E-05 | 2.14E-05 | 2.07E-05 |
| T E CL | G | 2.68E-05 | 7.65E-06 | 9.40E-06 | 1.39E-05 | 1.25E-05 | 2.18E-05 | 1.73E-05 | 1.31E-05 | 1.98E-05 | 1.98E-05 | 7.52E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.68E-05 | 7.65E-06 | 9.40E-06 | 1.39E-05 | 1.25E-05 | 2.18E-05 | 1.73E-05 | 1.31E-05 | 1.98E-05 | 1.98E-05 | 7.52E-06 |
| SKIN | G | 4.20E-06 | 4.39E-06 | 3.72E-06 | 2.97E-06 | 3.19E-06 | 3.67E-06 | 4.40E-06 | 3.76E-06 | 4.28E-06 | 4.28E-06 | 6.98E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.20E-06 | 4.39E-06 | 3.72E-06 | 2.97E-06 | 3.19E-06 | 3.67E-06 | 4.40E-06 | 3.76E-06 | 4.28E-06 | 4.28E-06 | 6.98E-06 |
| SPLEEN | G | 6.26E-05 | 1.92E-06 | 1.05E-04 | 1.03E-05 | 1.11E-05 | 6.05E-06 | 9.56E-05 | 5.95E-06 | 2.08E-05 | 2.08E-05 | 1.42E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 6.26E-05 | 1.92E-06 | 1.05E-04 | 1.03E-05 | 1.11E-05 | 6.05E-06 | 9.56E-05 | 5.95E-06 | 2.08E-05 | 2.08E-05 | 1.42E-05 |
| TESTES | G | 9.79E-08 | 4.78E-05 | 1.62E-07 | 1.33E-06 | 1.36E-06 | 1.54E-05 | 2.84E-07 | 2.00E-07 | 3.01E-08 | 3.01E-08 | 1.03E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.79E-08 | 4.78E-05 | 1.62E-07 | 1.33E-06 | 1.36E-06 | 1.54E-05 | 2.84E-07 | 2.00E-07 | 3.01E-08 | 3.01E-08 | 1.03E-05 |
| THYMUS | G | 2.82E-06 | 3.44E-08 | 2.58E-06 | 2.61E-07 | 3.23E-07 | 8.36E-08 | 1.02E-06 | 3.96E-06 | 3.86E-05 | 3.86E-05 | 2.19E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.82E-06 | 3.44E-08 | 2.58E-06 | 2.61E-07 | 3.23E-07 | 8.36E-08 | 1.02E-06 | 3.96E-06 | 3.86E-05 | 3.86E-05 | 2.19E-05 |
| THYROID | G | 4.17E-07 | 7.74E-09 | 2.87E-07 | 4.66E-08 | 5.13E-08 | 1.79E-08 | 1.49E-07 | 4.18E-07 | 5.35E-06 | 5.35E-06 | 1.37E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.17E-07 | 7.74E-09 | 2.87E-07 | 4.66E-08 | 5.13E-08 | 1.79E-08 | 1.49E-07 | 4.18E-07 | 5.35E-06 | 5.35E-06 | 1.37E-05 |
| UTERUS | G | 1.52E-06 | 1.79E-04 | 3.66E-06 | 1.02E-04 | 4.96E-05 | 6.45E-05 | 4.38E-06 | 2.07E-06 | 4.20E-07 | 4.20E-07 | 2.24E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.52E-06 | 1.79E-04 | 3.66E-06 | 1.02E-04 | 4.96E-05 | 6.45E-05 | 4.38E-06 | 2.07E-06 | 4.20E-07 | 4.20E-07 | 2.24E-05 |
| T BODY | G | 1.81E-05 | 1.96E-05 | 1.90E-05 | 2.09E-05 | 2.04E-05 | 2.07E-05 | 1.77E-05 | 1.84E-05 | 1.70E-05 | 1.70E-05 | 1.35E-05 |
| | B | 1.16E-04 | 1.31E-05 | 3.48E-05 | 9.29E-05 | 5.54E-05 | 6.88E-05 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 |
| | T | 1.34E-04 | 3.26E-05 | 5.38E-05 | 1.14E-04 | 7.58E-05 | 8.95E-05 | 1.34E-04 | 1.35E-04 | 1.33E-04 | 1.33E-04 | 1.30E-04 |

CONTINUED NEXT PAGE

66-DYSPROSIUM-166 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.68E-06 | 8.56E-05 | 1.06E-05 | 1.06E-05 | 1.49E-05 | 6.55E-06 | 4.43E-06 | 6.19E-05 | 9.79E-08 | 4.17E-07 | 1.33E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 1.68E-06 | 8.56E-05 | 1.06E-05 | 1.06E-05 | 1.49E-05 | 6.55E-06 | 4.43E-06 | 6.19E-05 | 9.79E-08 | 4.17E-07 | 1.29E-04 |
| BLAD WALL | G | 7.03E-05 | 5.62E-07 | 3.23E-06 | 3.23E-06 | 6.86E-06 | 2.10E-06 | 3.87E-06 | 5.26E-07 | 4.51E-05 | 7.83E-09 | 1.92E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 7.03E-05 | 5.62E-07 | 3.23E-06 | 3.23E-06 | 6.86E-06 | 2.10E-06 | 3.87E-06 | 5.26E-07 | 4.51E-05 | 7.83E-09 | 1.35E-04 |
| GI TRACT S WALL | G | 5.00E-06 | 2.04E-04 | 3.61E-06 | 3.61E-06 | 6.40E-06 | 5.79E-06 | 4.81E-06 | 1.04E-04 | 1.86E-07 | 4.04E-07 | 1.69E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 5.00E-06 | 2.04E-04 | 3.61E-06 | 3.61E-06 | 6.40E-06 | 5.79E-06 | 4.81E-06 | 1.04E-04 | 1.86E-07 | 4.04E-07 | 1.33E-04 |
| SI+CONT | G | 1.32E-04 | 1.25E-05 | 5.83E-06 | 5.83E-06 | 2.02E-05 | 7.82E-06 | 3.35E-06 | 9.86E-06 | 1.90E-06 | 2.03E-08 | 1.97E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 1.32E-04 | 1.25E-05 | 5.83E-06 | 5.83E-06 | 2.02E-05 | 7.82E-06 | 3.35E-06 | 9.86E-06 | 1.90E-06 | 2.03E-08 | 1.36E-04 |
| ULI WALL | G | 1.20E-04 | 1.57E-05 | 4.99E-06 | 4.99E-06 | 1.62E-05 | 6.49E-06 | 3.76E-06 | 1.12E-05 | 1.53E-06 | 3.09E-08 | 1.93E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 1.20E-04 | 1.57E-05 | 4.99E-06 | 4.99E-06 | 1.62E-05 | 6.49E-06 | 3.76E-06 | 1.12E-05 | 1.53E-06 | 3.09E-08 | 1.35E-04 |
| LLI WALL | G | 1.65E-04 | 3.51E-06 | 7.97E-06 | 7.97E-06 | 2.55E-05 | 7.13E-06 | 3.37E-06 | 4.04E-06 | 2.38E-05 | 1.46E-08 | 1.98E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 1.65E-04 | 3.51E-06 | 7.97E-06 | 7.97E-06 | 2.55E-05 | 7.13E-06 | 3.37E-06 | 4.04E-06 | 2.38E-05 | 1.46E-08 | 1.36E-04 |
| KIDNEYS | G | 5.61E-06 | 6.10E-05 | 6.24E-06 | 6.24E-06 | 1.74E-05 | 7.70E-06 | 5.42E-06 | 9.68E-05 | 1.62E-07 | 1.09E-07 | 1.63E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 5.61E-06 | 6.10E-05 | 6.24E-06 | 6.24E-06 | 1.74E-05 | 7.70E-06 | 5.42E-06 | 9.68E-05 | 1.62E-07 | 1.09E-07 | 1.32E-04 |
| LIVER | G | 2.97E-06 | 4.05E-05 | 4.75E-06 | 4.75E-06 | 6.27E-06 | 7.67E-06 | 4.44E-06 | 6.07E-06 | 1.10E-07 | 4.76E-07 | 1.76E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 2.97E-06 | 4.05E-05 | 4.75E-06 | 4.75E-06 | 6.27E-06 | 7.67E-06 | 4.44E-06 | 6.07E-06 | 1.10E-07 | 4.76E-07 | 1.34E-04 |
| LUNGS | G | 2.66E-07 | 2.32E-05 | 8.18E-06 | 8.18E-06 | 9.32E-06 | 8.78E-06 | 5.41E-06 | 2.24E-05 | 1.75E-08 | 7.29E-06 | 1.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 2.66E-07 | 2.32E-05 | 8.18E-06 | 8.18E-06 | 9.32E-06 | 8.78E-06 | 5.41E-06 | 2.24E-05 | 1.75E-08 | 7.29E-06 | 1.32E-04 |
| RESP LYM NODE | G | 2.66E-07 | 2.32E-05 | 8.18E-06 | 8.18E-06 | 9.32E-06 | 8.78E-06 | 5.41E-06 | 2.24E-05 | 1.75E-08 | 7.29E-06 | 1.64E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 2.66E-07 | 2.32E-05 | 8.18E-06 | 8.18E-06 | 9.32E-06 | 8.78E-06 | 5.41E-06 | 2.24E-05 | 1.75E-08 | 7.29E-06 | 1.32E-04 |
| MUSCLE* | G | 1.89E-05 | 1.77E-05 | 7.52E-06 | 7.52E-06 | 9.32E-06 | 7.15E-06 | 6.98E-06 | 1.42E-05 | 1.03E-05 | 1.37E-05 | 1.35E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 1.89E-05 | 1.77E-05 | 7.52E-06 | 7.52E-06 | 9.32E-06 | 7.15E-06 | 6.98E-06 | 1.42E-05 | 1.03E-05 | 1.37E-05 | 1.30E-04 |
| OVARIES | G | 1.38E-02 | 2.61E-06 | 6.39E-06 | 6.39E-06 | 3.04E-05 | 8.61E-06 | 3.21E-06 | 2.66E-06 | 1.56E-45 | 1.67E-08 | 1.70E-05 |
| | B | 7.39E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 7.53E-01 | 2.61E-06 | 6.39E-06 | 6.39E-06 | 3.04E-05 | 8.61E-06 | 3.21E-06 | 2.66E-06 | 1.56E-45 | 1.67E-08 | 1.33E-04 |

66-DYSPROSIUM-166 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.28E-06 | 3.16E-03 | 6.10E-06 | 6.10E-06 | 1.25E-05 | 6.89E-06 | 2.95E-06 | 2.24E-04 | 1.36E-07 | 2.41E-07 | 2.04E-05 |
| | B | 0.0 | 8.13E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 2.28E-06 | 8.44E-02 | 6.10E-06 | 6.10E-06 | 1.25E-05 | 6.89E-06 | 2.95E-06 | 2.24E-04 | 1.36E-07 | 2.41E-07 | 1.36E-04 |
| SKELETON BONE | G | 1.89E-05 | 1.60E-05 | 7.64E-05 | 7.64E-05 | 4.88E-05 | 5.86E-05 | 1.37E-05 | 1.38E-05 | 7.74E-06 | 1.07E-05 | 2.81E-05 |
| | B | 0.0 | 0.0 | 1.63E-03 | 1.32E-03 | 2.06E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 1.89E-05 | 1.60E-05 | 1.70E-03 | 1.39E-03 | 2.55E-04 | 5.86E-05 | 1.37E-05 | 1.38E-05 | 7.74E-06 | 1.07E-05 | 1.44E-04 |
| R MARROW | G | 7.34E-05 | 3.00E-05 | 6.91E-05 | 6.91E-05 | 1.86E-04 | 5.91E-05 | 1.26E-05 | 1.79E-05 | 5.79E-06 | 1.11E-05 | 3.32E-05 |
| | B | 0.0 | 0.0 | 1.07E-05 | 1.03E-03 | 4.70E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 7.34E-05 | 3.00E-05 | 7.99E-05 | 1.10E-03 | 4.89E-03 | 5.91E-05 | 1.26E-05 | 1.79E-05 | 5.79E-06 | 1.11E-05 | 1.49E-04 |
| Y MARROW | G | 2.65E-05 | 1.82E-05 | 6.69E-05 | 6.69E-05 | 6.47E-05 | 1.16E-04 | 1.54E-05 | 2.15E-05 | 2.52E-06 | 5.34E-06 | 2.78E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.42E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 2.65E-05 | 1.82E-05 | 6.69E-05 | 6.69E-05 | 6.47E-05 | 5.53E-03 | 1.54E-05 | 2.15E-05 | 2.52E-06 | 5.34E-06 | 1.44E-04 |
| T E CL | G | 1.89E-05 | 1.60E-05 | 7.47E-05 | 7.47E-05 | 7.50E-05 | 7.05E-05 | 1.37E-05 | 1.38E-05 | 7.74E-06 | 1.07E-05 | 2.87E-05 |
| | B | 0.0 | 0.0 | 8.36E-04 | 1.69E-03 | 1.58E-03 | 1.35E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 1.89E-05 | 1.60E-05 | 9.11E-04 | 1.77E-03 | 1.66E-03 | 1.42E-03 | 1.37E-05 | 1.38E-05 | 7.74E-06 | 1.07E-05 | 1.45E-04 |
| SKIN | G | 2.75E-06 | 2.79E-06 | 4.92E-06 | 4.92E-06 | 4.27E-06 | 5.81E-06 | 3.20E-05 | 3.84E-06 | 1.46E-05 | 7.05E-06 | 7.59E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.13E-03 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 2.75E-06 | 2.79E-06 | 4.92E-06 | 4.92E-06 | 4.27E-06 | 5.81E-06 | 3.16E-03 | 3.84E-06 | 1.46E-05 | 7.05E-06 | 1.24E-04 |
| SPLEEN | G | 2.51E-06 | 2.26E-04 | 5.18E-06 | 5.18E-06 | 6.51E-06 | 8.25E-06 | 4.64E-06 | 1.77E-03 | 1.24E-07 | 3.92E-07 | 1.71E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.51E-02 | 0.0 | 0.0 | 1.16E-04 |
| | T | 2.51E-06 | 2.26E-04 | 5.18E-06 | 5.18E-06 | 6.51E-06 | 8.25E-06 | 4.64E-06 | 4.69E-02 | 1.24E-07 | 3.92E-07 | 1.33E-04 |
| TESTES | G | 1.56E-45 | 1.49E-07 | 3.77E-06 | 3.77E-06 | 2.38E-06 | 7.58E-06 | 9.34E-06 | 1.50E-07 | 5.18E-03 | 2.36E-09 | 1.28E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.32E-01 | 0.0 | 1.16E-04 |
| | T | 1.56E-45 | 1.49E-07 | 3.77E-06 | 3.77E-06 | 2.38E-06 | 7.58E-06 | 9.34E-06 | 1.50E-07 | 2.37E-01 | 2.36E-09 | 1.29E-04 |
| THYMUS | G | 8.07E-08 | 3.33E-06 | 3.84E-06 | 3.84E-06 | 5.52E-06 | 4.97E-06 | 4.57E-06 | 1.04E-06 | 9.31E-09 | 3.99E-05 | 1.86E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 8.07E-08 | 3.33E-06 | 3.84E-06 | 3.84E-06 | 5.52E-06 | 4.97E-06 | 4.57E-06 | 1.04E-06 | 9.31E-09 | 3.99E-05 | 1.35E-04 |
| THYROID | G | 1.67E-08 | 3.88E-07 | 5.83E-06 | 5.83E-06 | 4.36E-06 | 8.75E-06 | 6.58E-06 | 2.79E-07 | 2.36E-09 | 7.75E-03 | 1.39E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.06E-01 | 1.16E-04 |
| | T | 1.67E-08 | 3.88E-07 | 5.83E-06 | 5.83E-06 | 4.36E-06 | 8.75E-06 | 6.58E-06 | 2.79E-07 | 2.36E-09 | 4.14E-01 | 1.30E-04 |
| UTERUS | G | 2.24E-04 | 2.48E-06 | 3.51E-06 | 3.51E-06 | 1.56E-05 | 5.08E-06 | 3.43E-06 | 1.84E-06 | 1.56E-45 | 1.56E-08 | 2.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-04 |
| | T | 2.24E-04 | 2.48E-06 | 3.51E-06 | 3.51E-06 | 1.56E-05 | 5.08E-06 | 3.43E-06 | 1.84E-06 | 1.56E-45 | 1.56E-08 | 1.36E-04 |
| T BODY | G | 2.17E-05 | 2.13E-05 | 1.77E-05 | 1.77E-05 | 1.86E-05 | 1.59E-05 | 8.69E-06 | 1.84E-05 | 1.39E-05 | 1.39E-05 | 1.59E-05 |
| | B | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 |
| | T | 1.38E-04 | 1.37E-04 | 1.34E-04 | 1.34E-04 | 1.35E-04 | 1.32E-04 | 1.25E-04 | 1.35E-04 | 1.30E-04 | 1.30E-04 | 1.32E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-BRABEC, V. ET AL., ARKIV FOR FYSIK 26, 511 (1960)
DATE DECAY DATA REVIEWED-DECEMBER 1972

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 67-HOLMIUM-166 (TR=2.690E 01 HOURS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 3.89E-03 | 9.24E-07 | 1.58E-05 | 4.96E-06 | 5.05E-06 | 1.92E-06 | 6.42E-05 | 2.36E-05 | 1.14E-05 | 1.14E-05 | 7.94E-06 |
| | B | 2.56E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.56E 00 | 9.24E-07 | 1.58E-05 | 4.96E-06 | 5.05E-06 | 1.92E-06 | 6.42E-05 | 2.36E-05 | 1.14E-05 | 1.14E-05 | 7.94E-06 |
| BLAD WALL | G | 9.44E-07 | 4.19E-04 | 1.77E-06 | 1.45E-05 | 9.14E-06 | 3.43E-05 | 1.67E-06 | 9.41E-07 | 3.47E-07 | 3.47E-07 | 9.51E-06 |
| | B | 0.0 | 8.95E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 9.44E-07 | 8.99E-02 | 1.77E-06 | 1.45E-05 | 9.14E-06 | 3.43E-05 | 1.67E-06 | 9.41E-07 | 3.47E-07 | 3.47E-07 | 9.51E-06 |
| GI TRACT S WALL | G | 1.39E-05 | 1.70E-06 | 2.97E-04 | 1.88E-05 | 1.90E-05 | 8.46E-06 | 1.63E-05 | 9.97E-06 | 1.03E-05 | 1.03E-05 | 7.46E-06 |
| | B | 0.0 | 0.0 | 7.16E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.39E-05 | 1.70E-06 | 7.19E-02 | 1.88E-05 | 1.90E-05 | 8.46E-06 | 1.63E-05 | 9.97E-06 | 1.03E-05 | 1.03E-05 | 7.46E-06 |
| SI+CONT | G | 4.45E-06 | 1.41E-05 | 1.31E-05 | 1.86E-04 | 9.06E-05 | 5.03E-05 | 1.45E-05 | 8.04E-06 | 1.24E-06 | 1.24E-06 | 8.09E-06 |
| | B | 0.0 | 0.0 | 0.0 | 4.48E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.45E-06 | 1.41E-05 | 1.31E-05 | 4.49E-02 | 9.06E-05 | 5.03E-05 | 1.45E-05 | 8.04E-06 | 1.24E-06 | 1.24E-06 | 8.09E-06 |
| ULI WALL | G | 4.47E-06 | 1.01E-05 | 1.93E-05 | 1.38E-04 | 2.46E-04 | 2.31E-05 | 1.45E-05 | 1.22E-05 | 1.67E-06 | 1.67E-06 | 8.55E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 8.14E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.47E-06 | 1.01E-05 | 1.93E-05 | 1.38E-04 | 8.16E-02 | 2.31E-05 | 1.45E-05 | 1.22E-05 | 1.67E-06 | 1.67E-06 | 8.55E-06 |
| LLI WALL | G | 1.44E-06 | 3.96E-05 | 6.59E-06 | 3.97E-05 | 1.60E-05 | 2.92E-04 | 4.12E-06 | 1.36E-06 | 2.80E-07 | 2.80E-07 | 8.87E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.33E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.44E-06 | 3.96E-05 | 6.59E-06 | 3.97E-05 | 1.60E-05 | 1.33E-01 | 4.12E-06 | 1.36E-06 | 2.80E-07 | 2.80E-07 | 8.87E-06 |
| KIDNEYS | G | 5.79E-05 | 1.79E-06 | 1.73E-05 | 1.50E-05 | 1.43E-05 | 4.28E-06 | 4.78E-04 | 2.02E-05 | 4.81E-06 | 4.81E-06 | 7.50E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.15E-01 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.79E-05 | 1.79E-06 | 1.73E-05 | 1.50E-05 | 1.43E-05 | 4.28E-06 | 1.16E-01 | 2.02E-05 | 4.81E-06 | 4.81E-06 | 7.50E-06 |
| LIVER | G | 2.58E-05 | 1.13E-06 | 1.00E-05 | 9.24E-06 | 1.30E-05 | 1.68E-06 | 2.03E-05 | 1.56E-04 | 1.29E-05 | 1.29E-05 | 5.81E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.99E-02 | 0.0 | 0.0 | 0.0 |
| | T | 2.58E-05 | 1.13E-06 | 1.00E-05 | 9.24E-06 | 1.30E-05 | 1.68E-06 | 2.03E-05 | 2.00E-02 | 1.29E-05 | 1.29E-05 | 5.81E-06 |
| LUNGS | G | 1.27E-05 | 3.09E-07 | 9.67E-06 | 1.33E-06 | 1.71E-06 | 6.25E-07 | 4.52E-06 | 1.39E-05 | 1.06E-04 | 1.06E-04 | 7.21E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.58E-02 | 3.58E-02 | 0.0 |
| | T | 1.27E-05 | 3.09E-07 | 9.67E-06 | 1.33E-06 | 1.71E-06 | 6.25E-07 | 4.52E-06 | 1.39E-05 | 3.59E-02 | 3.59E-02 | 7.21E-06 |
| RESP LYM NODE | G | 1.27E-05 | 3.09E-07 | 9.67E-06 | 1.33E-06 | 1.71E-06 | 6.25E-07 | 4.52E-06 | 1.39E-05 | 9.84E-05 | 1.06E-04 | 7.21E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.55E-02 | 2.39E 00 | 0.0 |
| | T | 1.27E-05 | 3.09E-07 | 9.67E-06 | 1.33E-06 | 1.71E-06 | 6.25E-07 | 4.52E-06 | 1.39E-05 | 3.56E-02 | 2.39E 00 | 7.21E-06 |
| MUSCLE* | G | 7.94E-06 | 9.51E-06 | 7.59E-06 | 8.09E-06 | 7.81E-06 | 8.87E-06 | 7.50E-06 | 5.81E-06 | 7.21E-06 | 7.21E-06 | 8.32E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28E-03 |
| | T | 7.94E-06 | 9.51E-06 | 7.59E-06 | 8.09E-06 | 7.81E-06 | 8.87E-06 | 7.50E-06 | 5.81E-06 | 7.21E-06 | 7.21E-06 | 1.29E-03 |
| OVARIES | G | 1.25E-06 | 3.68E-05 | 4.33E-06 | 5.32E-05 | 4.71E-05 | 9.66E-05 | 5.81E-06 | 3.78E-06 | 6.84E-07 | 6.84E-07 | 1.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.25E-06 | 3.68E-05 | 4.33E-06 | 5.32E-05 | 4.71E-05 | 9.66E-05 | 5.81E-06 | 3.78E-06 | 6.84E-07 | 6.84E-07 | 1.05E-05 |

67-HOLMIUM-166 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 4.72E-05 | 1.06E-06 | 9.86E-05 | 9.14E-06 | 1.04E-05 | 3.09E-06 | 3.41E-05 | 2.20E-05 | 1.30E-05 | 1.30E-05 | 9.65E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.72E-05 | 1.06E-06 | 9.86E-05 | 9.14E-06 | 1.04E-05 | 3.09E-06 | 3.41E-05 | 2.20E-05 | 1.30E-05 | 1.30E-05 | 9.65E-06 |
| SKELETON BONE | G | 1.08E-05 | 3.76E-06 | 4.24E-06 | 5.98E-06 | 5.37E-06 | 8.58E-06 | 7.42E-06 | 5.62E-06 | 7.95E-06 | 7.95E-06 | 5.29E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.08E-05 | 3.76E-06 | 4.24E-06 | 5.98E-06 | 5.37E-06 | 8.58E-06 | 7.42E-06 | 5.62E-06 | 7.95E-06 | 7.95E-06 | 5.29E-06 |
| R MARROW | G | 1.89E-05 | 9.12E-06 | 6.85E-06 | 2.04E-05 | 1.75E-05 | 2.83E-05 | 1.93E-05 | 7.43E-06 | 9.92E-06 | 9.92E-06 | 1.06E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.89E-05 | 9.12E-06 | 6.85E-06 | 2.04E-05 | 1.75E-05 | 2.83E-05 | 1.93E-05 | 7.43E-06 | 9.92E-06 | 9.92E-06 | 1.06E-05 |
| Y MARROW | G | 1.03E-05 | 3.67E-06 | 6.10E-06 | 8.33E-06 | 7.73E-06 | 1.11E-05 | 9.05E-06 | 8.59E-06 | 8.39E-06 | 8.39E-06 | 8.39E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.03E-05 | 3.67E-06 | 6.10E-06 | 8.33E-06 | 7.73E-06 | 1.11E-05 | 9.05E-06 | 8.59E-06 | 8.39E-06 | 8.39E-06 | 8.39E-06 |
| T E CL | G | 1.08E-05 | 3.76E-06 | 4.24E-06 | 5.98E-06 | 5.37E-06 | 8.58E-06 | 7.42E-06 | 5.62E-06 | 7.95E-06 | 7.95E-06 | 5.29E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.08E-05 | 3.76E-06 | 4.24E-06 | 5.98E-06 | 5.37E-06 | 8.58E-06 | 7.42E-06 | 5.62E-06 | 7.95E-06 | 7.95E-06 | 5.29E-06 |
| SKIN | G | 3.33E-06 | 3.25E-06 | 2.83E-06 | 2.61E-06 | 2.57E-06 | 3.01E-06 | 3.14E-06 | 2.89E-06 | 3.21E-06 | 3.21E-06 | 4.57E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.33E-06 | 3.25E-06 | 2.83E-06 | 2.61E-06 | 2.57E-06 | 3.01E-06 | 3.14E-06 | 2.89E-06 | 3.21E-06 | 3.21E-06 | 4.57E-06 |
| SPLEEN | G | 3.25E-05 | 1.38E-06 | 5.38E-05 | 7.68E-06 | 7.38E-06 | 4.60E-06 | 4.73E-05 | 4.55E-06 | 1.07E-05 | 1.07E-05 | 7.92E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.25E-05 | 1.38E-06 | 5.38E-05 | 7.68E-06 | 7.38E-06 | 4.60E-06 | 4.73E-05 | 4.55E-06 | 1.07E-05 | 1.07E-05 | 7.92E-06 |
| TESTES | G | 3.27E-07 | 2.52E-05 | 6.01E-07 | 2.17E-06 | 1.70E-06 | 8.65E-06 | 6.26E-07 | 5.57E-07 | 1.38E-07 | 1.38E-07 | 6.45E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.27E-07 | 2.52E-05 | 6.01E-07 | 2.17E-06 | 1.70E-06 | 8.65E-06 | 6.26E-07 | 5.57E-07 | 1.38E-07 | 1.38E-07 | 6.45E-06 |
| THYMUS | G | 2.63E-06 | 1.72E-07 | 2.90E-06 | 5.83E-07 | 6.41E-07 | 2.74E-07 | 1.14E-06 | 3.16E-06 | 2.28E-05 | 2.28E-05 | 1.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.63E-06 | 1.72E-07 | 2.90E-06 | 5.83E-07 | 6.41E-07 | 2.74E-07 | 1.14E-06 | 3.16E-06 | 2.28E-05 | 2.28E-05 | 1.18E-05 |
| THYROID | G | 8.72E-07 | 6.85E-08 | 6.28E-07 | 2.04E-07 | 2.15E-07 | 1.08E-07 | 4.18E-07 | 7.46E-07 | 4.37E-06 | 4.37E-06 | 7.41E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.72E-07 | 6.85E-08 | 6.28E-07 | 2.04E-07 | 2.15E-07 | 1.08E-07 | 4.18E-07 | 7.46E-07 | 4.37E-06 | 4.37E-06 | 7.41E-06 |
| UTERUS | G | 1.62E-06 | 8.45E-05 | 4.02E-06 | 4.94E-05 | 2.79E-05 | 3.37E-05 | 4.37E-06 | 2.37E-06 | 8.73E-07 | 8.73E-07 | 1.16E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.62E-06 | 8.45E-05 | 4.02E-06 | 4.94E-05 | 2.79E-05 | 3.37E-05 | 4.37E-06 | 2.37E-06 | 8.73E-07 | 8.73E-07 | 1.16E-05 |
| T BODY | G | 9.61E-06 | 1.05E-05 | 1.01E-05 | 1.11E-05 | 1.08E-05 | 1.09E-05 | 9.57E-06 | 9.71E-06 | 8.58E-06 | 8.58E-06 | 7.77E-06 |
| | B | 5.11E-04 | 5.75E-05 | 1.53E-04 | 4.09E-04 | 2.44E-04 | 3.03E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 |
| | T | 5.21E-04 | 6.80E-05 | 1.64E-04 | 4.20E-04 | 2.55E-04 | 3.14E-04 | 5.21E-04 | 5.21E-04 | 5.20E-04 | 5.20E-04 | 5.19E-04 |

CONTINUED NEXT PAGE

67-HOLMIUM-166 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADRENALS | G | 2.07E-06 | 4.45E-05 | 8.52E-06 | 8.52E-06 | 1.04E-05 | 5.15E-06 | 3.78E-06 | 3.49E-05 | 3.27E-07 | 8.00E-07 | 1.18E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 2.07E-06 | 4.45E-05 | 8.52E-06 | 8.52E-06 | 1.04E-05 | 5.15E-06 | 3.78E-06 | 3.49E-05 | 3.27E-07 | 8.00E-07 | 5.23E-04 |
| BLAD WALL | G | 3.79E-05 | 1.05E-06 | 3.04E-06 | 3.04E-06 | 5.32E-06 | 1.86E-06 | 3.48E-06 | 1.04E-06 | 2.54E-05 | 6.88E-08 | 1.05E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 3.79E-05 | 1.05E-06 | 3.04E-06 | 3.04E-06 | 5.32E-06 | 1.86E-06 | 3.48E-06 | 1.04E-06 | 2.54E-05 | 6.88E-08 | 5.22E-04 |
| GI TRACT S WALL | G | 4.29E-06 | 9.82E-05 | 2.71E-06 | 2.71E-06 | 5.01E-06 | 3.72E-06 | 3.20E-06 | 5.60E-05 | 4.06E-07 | 6.58E-07 | 8.50E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 4.29E-06 | 9.82E-05 | 2.71E-06 | 2.71E-06 | 5.01E-06 | 3.72E-06 | 3.20E-06 | 5.60E-05 | 4.06E-07 | 6.58E-07 | 5.20E-04 |
| SI+CONT | G | 6.50E-05 | 8.69E-06 | 3.83E-06 | 3.83E-06 | 1.25E-05 | 5.11E-06 | 2.70E-06 | 7.01E-06 | 2.18E-06 | 1.76E-07 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 6.50E-05 | 8.69E-06 | 3.83E-06 | 3.83E-06 | 1.25E-05 | 5.11E-06 | 2.70E-06 | 7.01E-06 | 2.18E-06 | 1.76E-07 | 5.22E-04 |
| ULI WALL | G | 5.99E-05 | 1.06E-05 | 3.57E-06 | 3.57E-06 | 9.81E-06 | 4.69E-06 | 2.75E-06 | 7.41E-06 | 1.63E-06 | 2.09E-07 | 1.02E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 5.99E-05 | 1.06E-05 | 3.57E-06 | 3.57E-06 | 9.81E-06 | 4.69E-06 | 2.75E-06 | 7.41E-06 | 1.63E-06 | 2.09E-07 | 5.22E-04 |
| LLI WALL | G | 7.91E-05 | 3.02E-06 | 5.02E-06 | 5.02E-06 | 1.50E-05 | 4.78E-06 | 2.76E-06 | 3.08E-06 | 1.36E-05 | 9.39E-08 | 1.09E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 7.91E-05 | 3.02E-06 | 5.02E-06 | 5.02E-06 | 1.50E-05 | 4.78E-06 | 2.76E-06 | 3.08E-06 | 1.36E-05 | 9.39E-08 | 5.22E-04 |
| KIDNEYS | G | 4.71E-06 | 3.32E-05 | 4.70E-06 | 4.70E-06 | 1.21E-05 | 5.42E-06 | 3.64E-06 | 4.86E-05 | 5.46E-07 | 5.49E-07 | 9.03E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 4.71E-06 | 3.32E-05 | 4.70E-06 | 4.70E-06 | 1.21E-05 | 5.42E-06 | 3.64E-06 | 4.86E-05 | 5.46E-07 | 5.49E-07 | 5.21E-04 |
| LIVER | G | 2.84E-06 | 2.21E-05 | 3.45E-06 | 3.45E-06 | 4.79E-06 | 5.33E-06 | 3.23E-06 | 4.90E-06 | 4.10E-07 | 8.06E-07 | 9.46E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 2.84E-06 | 2.21E-05 | 3.45E-06 | 3.45E-06 | 4.79E-06 | 5.33E-06 | 3.23E-06 | 4.90E-06 | 4.10E-07 | 8.06E-07 | 5.21E-04 |
| LUNGS | G | 5.95E-07 | 1.26E-05 | 5.04E-06 | 5.04E-06 | 6.17E-06 | 5.38E-06 | 3.58E-06 | 1.17E-05 | 1.41E-07 | 5.17E-06 | 8.13E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 5.95E-07 | 1.26E-05 | 5.04E-06 | 5.04E-06 | 6.17E-06 | 5.38E-06 | 3.58E-06 | 1.17E-05 | 1.41E-07 | 5.17E-06 | 5.20E-04 |
| RESP LYM NODE | G | 5.95E-07 | 1.26E-05 | 5.04E-06 | 5.04E-06 | 6.17E-06 | 5.38E-06 | 3.58E-06 | 1.17E-05 | 1.41E-07 | 5.17E-06 | 8.13E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 5.95E-07 | 1.26E-05 | 5.04E-06 | 5.04E-06 | 6.17E-06 | 5.38E-06 | 3.58E-06 | 1.17E-05 | 1.41E-07 | 5.17E-06 | 5.20E-04 |
| MUSCLE* | G | 1.05E-05 | 9.65E-06 | 5.29E-06 | 5.29E-06 | 6.29E-06 | 4.89E-06 | 4.57E-06 | 7.92E-06 | 6.45E-06 | 7.41E-06 | 7.77E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 1.05E-05 | 9.65E-06 | 5.29E-06 | 5.29E-06 | 6.29E-06 | 4.89E-06 | 4.57E-06 | 7.92E-06 | 6.45E-06 | 7.41E-06 | 5.19E-04 |
| OVARIES | G | 6.73E-03 | 3.15E-06 | 4.29E-06 | 4.29E-06 | 1.84E-05 | 5.26E-06 | 2.58E-06 | 2.45E-06 | 7.46E-46 | 1.11E-07 | 1.03E-05 |
| | B | 3.25E 00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 3.26E 00 | 3.15E-06 | 4.29E-06 | 4.29E-06 | 1.84E-05 | 5.26E-06 | 2.58E-06 | 2.45E-06 | 7.46E-46 | 1.11E-07 | 5.22E-04 |

67-HOLMIUM-166 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| PANCREAS | G | 2.47E-06 | 1.53E-03 | 5.00E-06 | 5.00E-06 | 7.05E-06 | 4.94E-06 | 2.40E-06 | 1.05E-04 | 4.61E-07 | 1.20E-06 | 1.03E-05 |
| | B | 0.0 | 3.58E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 2.47E-06 | 3.60E-01 | 5.00E-06 | 5.00E-06 | 7.05E-06 | 4.94E-06 | 2.40E-06 | 1.05E-04 | 4.61E-07 | 1.20E-06 | 5.22E-04 |
| SKELETON BONE | G | 7.61E-06 | 6.97E-06 | 2.97E-05 | 2.97E-05 | 1.91E-05 | 2.24E-05 | 6.10E-06 | 5.91E-06 | 4.05E-06 | 5.10E-06 | 1.14E-05 |
| | B | 0.0 | 0.0 | 7.16E-03 | 4.13E-03 | 2.02E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 7.61E-06 | 6.97E-06 | 7.19E-03 | 4.16E-03 | 2.04E-03 | 2.24E-05 | 6.10E-06 | 5.91E-06 | 4.05E-06 | 5.10E-06 | 5.23E-04 |
| R MARROW | G | 2.76E-05 | 1.30E-05 | 2.67E-05 | 2.67E-05 | 7.04E-05 | 2.27E-05 | 5.69E-06 | 8.02E-06 | 3.07E-06 | 5.41E-06 | 1.32E-05 |
| | B | 0.0 | 0.0 | 4.36E-04 | 1.01E-02 | 1.60E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 2.76E-05 | 1.30E-05 | 4.63E-04 | 1.01E-02 | 1.60E-02 | 2.27E-05 | 5.69E-06 | 8.02E-06 | 3.07E-06 | 5.41E-06 | 5.25E-04 |
| Y MARROW | G | 1.04E-05 | 8.05E-06 | 2.55E-05 | 2.55E-05 | 2.47E-05 | 4.41E-05 | 6.68E-06 | 9.02E-06 | 1.57E-06 | 2.68E-06 | 1.11E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.39E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 1.04E-05 | 8.05E-06 | 2.55E-05 | 2.55E-05 | 2.47E-05 | 2.39E-02 | 6.68E-06 | 9.02E-06 | 1.57E-06 | 2.68E-06 | 5.23E-04 |
| T E CL | G | 7.61E-06 | 6.97E-06 | 2.89E-05 | 2.89E-05 | 2.91E-05 | 2.72E-05 | 6.10E-06 | 5.91E-06 | 4.05E-06 | 5.10E-06 | 1.16E-05 |
| | B | 0.0 | 0.0 | 4.54E-03 | 7.01E-03 | 7.26E-03 | 5.97E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 7.61E-06 | 6.97E-06 | 4.57E-03 | 7.04E-03 | 7.29E-03 | 5.99E-03 | 6.10E-06 | 5.91E-06 | 4.05E-06 | 5.10E-06 | 5.23E-04 |
| SKIN | G | 2.38E-06 | 2.42E-06 | 3.92E-06 | 3.92E-06 | 3.45E-06 | 4.28E-06 | 1.68E-05 | 2.91E-06 | 8.33E-06 | 4.54E-06 | 4.96E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38E-02 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 2.38E-06 | 2.42E-06 | 3.92E-06 | 3.92E-06 | 3.45E-06 | 4.28E-06 | 1.38E-02 | 2.91E-06 | 8.33E-06 | 4.54E-06 | 5.16E-04 |
| SPLEEN | G | 2.32E-06 | 1.07E-04 | 3.39E-06 | 3.39E-06 | 4.66E-06 | 5.90E-06 | 3.10E-06 | 8.47E-04 | 2.67E-07 | 7.00E-07 | 9.00E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.99E-01 | 0.0 | 0.0 | 5.11E-04 |
| | T | 2.32E-06 | 1.07E-04 | 3.39E-06 | 3.39E-06 | 4.66E-06 | 5.90E-06 | 3.10E-06 | 2.00E-01 | 2.67E-07 | 7.00E-07 | 5.20E-04 |
| TESTES | G | 7.46E-46 | 4.60E-07 | 3.36E-06 | 3.36E-06 | 1.42E-06 | 4.68E-06 | 5.15E-06 | 4.21E-07 | 2.52E-03 | 3.23E-08 | 8.07E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.02E 00 | 0.0 | 5.11E-04 |
| | T | 7.46E-46 | 4.60E-07 | 3.36E-06 | 3.36E-06 | 1.42E-06 | 4.68E-06 | 5.15E-06 | 4.21E-07 | 1.03E 00 | 3.23E-08 | 5.20E-04 |
| THYMUS | G | 2.89E-07 | 2.83E-06 | 2.65E-06 | 2.65E-06 | 4.43E-06 | 3.56E-06 | 3.13E-06 | 1.11E-06 | 7.67E-08 | 2.29E-05 | 1.01E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 2.89E-07 | 2.83E-06 | 2.65E-06 | 2.65E-06 | 4.43E-06 | 3.56E-06 | 3.13E-06 | 1.11E-06 | 7.67E-08 | 2.29E-05 | 5.22E-04 |
| THYROID | G | 1.11E-07 | 6.65E-07 | 4.44E-06 | 4.44E-06 | 3.34E-06 | 4.55E-06 | 3.86E-06 | 6.15E-07 | 3.23E-08 | 3.76E-03 | 7.62E-06 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.79E 00 | 5.11E-04 |
| | T | 1.11E-07 | 6.65E-07 | 4.44E-06 | 4.44E-06 | 3.34E-06 | 4.55E-06 | 3.86E-06 | 6.15E-07 | 3.23E-08 | 1.79E 00 | 5.19E-04 |
| UTERUS | G | 1.04E-04 | 2.45E-06 | 2.95E-06 | 2.95E-06 | 9.18E-06 | 2.86E-06 | 2.94E-06 | 1.43E-06 | 7.46E-46 | 1.06E-07 | 1.07E-05 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-04 |
| | T | 1.04E-04 | 2.45E-06 | 2.95E-06 | 2.95E-06 | 9.18E-06 | 2.86E-06 | 2.94E-06 | 1.43E-06 | 7.46E-46 | 1.06E-07 | 5.22E-04 |
| T BODY | G | 1.14E-05 | 1.12E-05 | 8.82E-06 | 8.82E-06 | 9.51E-06 | 7.89E-06 | 5.12E-06 | 9.70E-06 | 7.89E-06 | 7.46E-06 | 8.34E-06 |
| | B | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 |
| | T | 5.23E-04 | 5.23E-04 | 5.20E-04 | 5.20E-04 | 5.21E-04 | 5.19E-04 | 5.17E-04 | 5.21E-04 | 5.19E-04 | 5.19E-04 | 5.20E-04 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-REICH, C. W. AND CLINE, J. E., NUCL. PHYS. A159, 181 (1970)
DATE DECAY DATA REVIEWED-MAY 1973

S, AVERAGE DOSE EQUIVALENT PER UNIT ACCUMULATED ACTIVITY (REM/UCI-DAY), FOR 68-ERBIUM-169 (TR=9.400E 00 DAYS)

DATE OF TABLE 04-02-75

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| ADRENALS | G | 1.92E-07 | 4.98E-11 | 1.38E-09 | 3.55E-10 | 4.18E-10 | 1.27E-10 | 5.95E-09 | 2.14E-09 | 1.31E-09 | 1.31E-09 | 7.00E-10 |
| | B | 3.65E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.65E-01 | 4.98E-11 | 1.38E-09 | 3.55E-10 | 4.18E-10 | 1.27E-10 | 5.95E-09 | 2.14E-09 | 1.31E-09 | 1.31E-09 | 7.00E-10 |
| BLAD WALL | G | 5.15E-11 | 3.73E-08 | 1.16E-10 | 1.22E-09 | 1.01E-09 | 3.51E-09 | 1.01E-10 | 5.97E-11 | 1.16E-11 | 1.16E-11 | 9.03E-10 |
| | B | 0.0 | 1.28E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.15E-11 | 1.28E-02 | 1.16E-10 | 1.22E-09 | 1.01E-09 | 3.51E-09 | 1.01E-10 | 5.97E-11 | 1.16E-11 | 1.16E-11 | 9.03E-10 |
| GI TRACT S WALL | G | 1.38E-09 | 1.06E-10 | 2.73E-08 | 1.84E-09 | 1.97E-09 | 8.67E-10 | 1.78E-09 | 9.13E-10 | 9.38E-10 | 9.38E-10 | 6.50E-10 |
| | B | 0.0 | 0.0 | 1.02E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.38E-09 | 1.06E-10 | 1.02E-02 | 1.84E-09 | 1.97E-09 | 8.67E-10 | 1.78E-09 | 9.13E-10 | 9.38E-10 | 9.38E-10 | 6.50E-10 |
| SI+CONT | G | 3.49E-10 | 1.46E-09 | 1.34E-09 | 1.61E-08 | 9.07E-09 | 4.97E-09 | 1.40E-09 | 7.61E-10 | 7.38E-11 | 7.38E-11 | 7.65E-10 |
| | B | 0.0 | 0.0 | 0.0 | 6.39E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.49E-10 | 1.46E-09 | 1.34E-09 | 6.39E-03 | 9.07E-09 | 4.97E-09 | 1.40E-09 | 7.61E-10 | 7.38E-11 | 7.38E-11 | 7.65E-10 |
| ULI WALL | G | 4.09E-10 | 1.01E-09 | 1.84E-09 | 1.23E-08 | 2.20E-08 | 2.14E-09 | 1.37E-09 | 1.26E-09 | 8.98E-11 | 8.98E-11 | 7.89E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 1.16E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.09E-10 | 1.01E-09 | 1.84E-09 | 1.23E-08 | 1.16E-02 | 2.14E-09 | 1.37E-09 | 1.26E-09 | 8.98E-11 | 8.98E-11 | 7.89E-10 |
| LLI WALL | G | 8.57E-11 | 3.97E-09 | 5.48E-10 | 3.86E-09 | 1.62E-09 | 2.53E-08 | 2.83E-10 | 8.69E-11 | 2.04E-11 | 2.04E-11 | 8.39E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.89E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.57E-11 | 3.97E-09 | 5.48E-10 | 3.86E-09 | 1.62E-09 | 1.89E-02 | 2.83E-10 | 8.69E-11 | 2.04E-11 | 2.04E-11 | 8.39E-10 |
| KIDNEYS | G | 5.67E-09 | 1.00E-10 | 1.73E-09 | 1.54E-09 | 1.40E-09 | 3.62E-10 | 3.37E-08 | 2.01E-09 | 3.81E-10 | 3.81E-10 | 6.71E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65E-02 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 5.67E-09 | 1.00E-10 | 1.73E-09 | 1.54E-09 | 1.40E-09 | 3.62E-10 | 1.65E-02 | 2.01E-09 | 3.81E-10 | 3.81E-10 | 6.71E-10 |
| LIVER | G | 2.52E-09 | 5.93E-11 | 9.68E-10 | 8.76E-10 | 1.26E-09 | 9.42E-11 | 1.97E-09 | 1.31E-08 | 1.26E-09 | 1.26E-09 | 5.30E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.84E-03 | 0.0 | 0.0 | 0.0 |
| | T | 2.52E-09 | 5.93E-11 | 9.68E-10 | 8.76E-10 | 1.26E-09 | 9.42E-11 | 1.97E-09 | 2.84E-03 | 1.26E-09 | 1.26E-09 | 5.30E-10 |
| LUNGS | G | 1.22E-09 | 8.18E-12 | 9.16E-10 | 8.53E-11 | 1.07E-10 | 2.90E-11 | 3.99E-10 | 1.34E-09 | 7.42E-09 | 7.42E-09 | 6.58E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.11E-03 | 5.11E-03 | 0.0 |
| | T | 1.22E-09 | 8.18E-12 | 9.16E-10 | 8.53E-11 | 1.07E-10 | 2.90E-11 | 3.99E-10 | 1.34E-09 | 5.11E-03 | 5.11E-03 | 6.58E-10 |
| RESP LYM NODE | G | 1.22E-09 | 8.18E-12 | 9.16E-10 | 8.53E-11 | 1.07E-10 | 2.90E-11 | 3.99E-10 | 1.34E-09 | 7.42E-09 | 7.42E-09 | 6.58E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.93E-03 | 3.41E-01 | 0.0 |
| | T | 1.22E-09 | 8.18E-12 | 9.16E-10 | 8.53E-11 | 1.07E-10 | 2.90E-11 | 3.99E-10 | 1.34E-09 | 4.93E-03 | 3.41E-01 | 6.58E-10 |
| MUSCLE* | G | 7.00E-10 | 9.03E-10 | 7.09E-10 | 7.65E-10 | 7.39E-10 | 8.39E-10 | 6.71E-10 | 5.30E-10 | 6.58E-10 | 6.58E-10 | 6.81E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83E-04 |
| | T | 7.00E-10 | 9.03E-10 | 7.09E-10 | 7.65E-10 | 7.39E-10 | 8.39E-10 | 6.71E-10 | 5.30E-10 | 6.58E-10 | 6.58E-10 | 1.83E-04 |
| OVARIES | G | 2.34E-10 | 3.65E-09 | 2.59E-10 | 5.82E-09 | 5.78E-09 | 9.10E-09 | 4.86E-10 | 1.94E-10 | 3.53E-11 | 3.53E-11 | 9.90E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.34E-10 | 3.65E-09 | 2.59E-10 | 5.82E-09 | 5.78E-09 | 9.10E-09 | 4.86E-10 | 1.94E-10 | 3.53E-11 | 3.53E-11 | 9.90E-10 |

68-ERBIUM-169 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADRENALS | BLAD CON | S CONT | SI+CONT | ULI CONT | LLI CONT | KIDNEYS | LIVER | LUNG | RESP LYM NODE | MUSCLE* |
| PANCREAS | G | 4.75E-09 | 7.62E-11 | 9.88E-09 | 9.65E-10 | 1.05E-09 | 3.16E-10 | 3.34E-09 | 2.24E-09 | 1.32E-09 | 1.32E-09 | 9.10E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 4.75E-09 | 7.62E-11 | 9.88E-09 | 9.65E-10 | 1.05E-09 | 3.16E-10 | 3.34E-09 | 2.24E-09 | 1.32E-09 | 1.32E-09 | 9.10E-10 |
| SKELETON BONE | G | 1.28E-09 | 4.85E-10 | 5.20E-10 | 7.46E-10 | 6.71E-10 | 1.04E-09 | 8.83E-10 | 6.75E-10 | 9.51E-10 | 9.51E-10 | 4.48E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-09 | 4.85E-10 | 5.20E-10 | 7.46E-10 | 6.71E-10 | 1.04E-09 | 8.83E-10 | 6.75E-10 | 9.51E-10 | 9.51E-10 | 4.48E-10 |
| R MARROW | G | 2.26E-09 | 1.25E-09 | 8.82E-10 | 2.63E-09 | 2.26E-09 | 3.48E-09 | 2.34E-09 | 9.11E-10 | 1.19E-09 | 1.19E-09 | 1.26E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.26E-09 | 1.25E-09 | 8.82E-10 | 2.63E-09 | 2.26E-09 | 3.48E-09 | 2.34E-09 | 9.11E-10 | 1.19E-09 | 1.19E-09 | 1.26E-09 |
| Y MARROW | G | 1.20E-09 | 4.77E-10 | 7.42E-10 | 1.05E-09 | 9.73E-10 | 1.34E-09 | 1.08E-09 | 1.03E-09 | 1.00E-09 | 1.00E-09 | 9.56E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.20E-09 | 4.77E-10 | 7.42E-10 | 1.05E-09 | 9.73E-10 | 1.34E-09 | 1.08E-09 | 1.03E-09 | 1.00E-09 | 1.00E-09 | 9.56E-10 |
| T E CL | G | 1.28E-09 | 4.85E-10 | 5.20E-10 | 7.46E-10 | 6.71E-10 | 1.04E-09 | 8.83E-10 | 6.75E-10 | 9.51E-10 | 9.51E-10 | 4.48E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.28E-09 | 4.85E-10 | 5.20E-10 | 7.46E-10 | 6.71E-10 | 1.04E-09 | 8.83E-10 | 6.75E-10 | 9.51E-10 | 9.51E-10 | 4.48E-10 |
| SKIN | G | 2.33E-10 | 2.59E-10 | 2.10E-10 | 1.83E-10 | 1.89E-10 | 2.20E-10 | 2.44E-10 | 2.21E-10 | 2.43E-10 | 2.43E-10 | 3.45E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 2.33E-10 | 2.59E-10 | 2.10E-10 | 1.83E-10 | 1.89E-10 | 2.20E-10 | 2.44E-10 | 2.21E-10 | 2.43E-10 | 2.43E-10 | 3.45E-10 |
| SPLEEN | G | 3.27E-09 | 3.09E-10 | 5.42E-09 | 6.85E-10 | 7.02E-10 | 3.83E-10 | 4.65E-09 | 4.06E-10 | 1.15E-09 | 1.15E-09 | 7.30E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.27E-09 | 3.09E-10 | 5.42E-09 | 6.85E-10 | 7.02E-10 | 3.83E-10 | 4.65E-09 | 4.06E-10 | 1.15E-09 | 1.15E-09 | 7.30E-10 |
| TESTES | G | 8.80E-12 | 2.54E-09 | 1.64E-11 | 1.13E-10 | 1.00E-10 | 8.44E-10 | 2.70E-11 | 1.87E-11 | 2.09E-12 | 2.09E-12 | 5.56E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 8.80E-12 | 2.54E-09 | 1.64E-11 | 1.13E-10 | 1.00E-10 | 8.44E-10 | 2.70E-11 | 1.87E-11 | 2.09E-12 | 2.09E-12 | 5.56E-10 |
| THYMUS | G | 1.83E-10 | 2.72E-12 | 1.45E-10 | 2.47E-11 | 3.31E-11 | 7.52E-12 | 8.05E-11 | 2.71E-10 | 2.22E-09 | 2.22E-09 | 9.71E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.83E-10 | 2.72E-12 | 1.45E-10 | 2.47E-11 | 3.31E-11 | 7.52E-12 | 8.05E-11 | 2.71E-10 | 2.22E-09 | 2.22E-09 | 9.71E-10 |
| THYROID | G | 3.97E-11 | 4.44E-13 | 2.60E-11 | 3.87E-12 | 4.32E-12 | 1.30E-12 | 1.38E-11 | 4.01E-11 | 4.03E-10 | 4.03E-10 | 6.60E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 3.97E-11 | 4.44E-13 | 2.60E-11 | 3.87E-12 | 4.32E-12 | 1.30E-12 | 1.38E-11 | 4.01E-11 | 4.03E-10 | 4.03E-10 | 6.60E-10 |
| UTERUS | G | 1.56E-10 | 8.77E-09 | 3.00E-10 | 5.22E-09 | 2.87E-09 | 3.63E-09 | 3.55E-10 | 1.61E-10 | 3.13E-11 | 3.13E-11 | 1.15E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | T | 1.56E-10 | 8.77E-09 | 3.00E-10 | 5.22E-09 | 2.87E-09 | 3.63E-09 | 3.55E-10 | 1.61E-10 | 3.13E-11 | 3.13E-11 | 1.15E-09 |
| T BODY | G | 8.72E-10 | 9.64E-10 | 9.19E-10 | 1.04E-09 | 1.01E-09 | 1.02E-09 | 8.59E-10 | 8.83E-10 | 7.86E-10 | 7.86E-10 | 6.45E-10 |
| | B | 7.31E-05 | 8.22E-06 | 2.19E-05 | 5.85E-05 | 3.49E-05 | 4.33E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 |
| | T | 7.31E-05 | 8.22E-06 | 2.19E-05 | 5.85E-05 | 3.49E-05 | 4.33E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 |

CONTINUED NEXT PAGE

68-ERBIUM-169 CONTINUED

| TARGET ORGANS | | SOURCE ORGANS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
| ADRENALS | G | 1.24E-10 | 4.81E-09 | 5.38E-10 | 5.38E-10 | 9.44E-10 | 4.45E-10 | 2.72E-10 | 3.24E-09 | 8.80E-12 | 3.97E-11 | 7.37E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 1.24E-10 | 4.81E-09 | 5.38E-10 | 5.38E-10 | 9.44E-10 | 4.45E-10 | 2.72E-10 | 3.24E-09 | 8.80E-12 | 3.97E-11 | 7.31E-05 |
| BLAD WALL | G | 3.83E-09 | 5.13E-11 | 2.31E-10 | 2.31E-10 | 4.85E-10 | 1.69E-10 | 2.22E-10 | 3.79E-11 | 2.47E-09 | 4.51E-13 | 9.06E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 3.83E-09 | 5.13E-11 | 2.31E-10 | 2.31E-10 | 4.85E-10 | 1.69E-10 | 2.22E-10 | 3.79E-11 | 2.47E-09 | 4.51E-13 | 7.31E-05 |
| GI TRACT S WALL | G | 3.58E-10 | 9.66E-09 | 2.41E-10 | 2.41E-10 | 4.05E-10 | 3.77E-10 | 2.65E-10 | 5.46E-09 | 1.03E-11 | 2.29E-11 | 8.00E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 3.58E-10 | 9.66E-09 | 2.41E-10 | 2.41E-10 | 4.05E-10 | 3.77E-10 | 2.65E-10 | 5.46E-09 | 1.03E-11 | 2.29E-11 | 7.31E-05 |
| SI+CONT | G | 6.55E-09 | 8.28E-10 | 3.47E-10 | 3.47E-10 | 1.23E-09 | 4.92E-10 | 2.05E-10 | 6.52E-10 | 1.38E-10 | 2.19E-12 | 9.86E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 6.55E-09 | 8.28E-10 | 3.47E-10 | 3.47E-10 | 1.23E-09 | 4.92E-10 | 2.05E-10 | 6.52E-10 | 1.38E-10 | 2.19E-12 | 7.31E-05 |
| ULI WALL | G | 5.75E-09 | 9.97E-10 | 3.10E-10 | 3.10E-10 | 9.91E-10 | 4.16E-10 | 2.23E-10 | 7.20E-10 | 1.17E-10 | 3.87E-12 | 9.59E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 5.75E-09 | 9.97E-10 | 3.10E-10 | 3.10E-10 | 9.91E-10 | 4.16E-10 | 2.23E-10 | 7.20E-10 | 1.17E-10 | 3.87E-12 | 7.31E-05 |
| LLI WALL | G | 7.82E-09 | 2.49E-10 | 4.81E-10 | 4.81E-10 | 1.43E-09 | 4.30E-10 | 2.15E-10 | 2.71E-10 | 1.36E-09 | 1.04E-12 | 9.25E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 7.82E-09 | 2.49E-10 | 4.81E-10 | 4.81E-10 | 1.43E-09 | 4.30E-10 | 2.15E-10 | 2.71E-10 | 1.36E-09 | 1.04E-12 | 7.31E-05 |
| KIDNEYS | G | 3.94E-10 | 3.41E-09 | 3.74E-10 | 3.74E-10 | 1.05E-09 | 4.86E-10 | 2.81E-10 | 4.88E-09 | 1.22E-11 | 1.13E-11 | 7.98E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 3.94E-10 | 3.41E-09 | 3.74E-10 | 3.74E-10 | 1.05E-09 | 4.86E-10 | 2.81E-10 | 4.88E-09 | 1.22E-11 | 1.13E-11 | 7.31E-05 |
| LIVER | G | 2.20E-10 | 2.26E-09 | 3.00E-10 | 3.00E-10 | 4.07E-10 | 4.66E-10 | 2.53E-10 | 4.26E-10 | 9.78E-12 | 3.41E-11 | 8.40E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 2.20E-10 | 2.26E-09 | 3.00E-10 | 3.00E-10 | 4.07E-10 | 4.66E-10 | 2.53E-10 | 4.26E-10 | 9.78E-12 | 3.41E-11 | 7.31E-05 |
| LUNGS | G | 2.12E-11 | 1.31E-09 | 4.63E-10 | 4.63E-10 | 5.50E-10 | 4.81E-10 | 2.89E-10 | 1.18E-09 | 1.41E-12 | 4.47E-10 | 7.50E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 2.12E-11 | 1.31E-09 | 4.63E-10 | 4.63E-10 | 5.50E-10 | 4.81E-10 | 2.89E-10 | 1.18E-09 | 1.41E-12 | 4.47E-10 | 7.31E-05 |
| RESP LYM NODE | G | 2.12E-11 | 1.31E-09 | 4.63E-10 | 4.63E-10 | 5.50E-10 | 4.81E-10 | 2.89E-10 | 1.18E-09 | 1.41E-12 | 4.47E-10 | 7.50E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 2.12E-11 | 1.31E-09 | 4.63E-10 | 4.63E-10 | 5.50E-10 | 4.81E-10 | 2.89E-10 | 1.18E-09 | 1.41E-12 | 4.47E-10 | 7.31E-05 |
| MUSCLE* | G | 9.90E-10 | 9.10E-10 | 4.48E-10 | 4.48E-10 | 5.51E-10 | 4.05E-10 | 3.45E-10 | 7.30E-10 | 5.56E-10 | 6.60E-10 | 6.45E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 9.90E-10 | 9.10E-10 | 4.48E-10 | 4.48E-10 | 5.51E-10 | 4.05E-10 | 3.45E-10 | 7.30E-10 | 5.56E-10 | 6.60E-10 | 7.31E-05 |
| OVARIES | G | 3.16E-07 | 1.94E-10 | 3.49E-10 | 3.49E-10 | 1.81E-09 | 6.83E-10 | 1.74E-10 | 1.47E-10 | 0.0 | 1.15E-12 | 8.79E-10 |
| | B | 4.65E-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 4.65E-01 | 1.94E-10 | 3.49E-10 | 3.49E-10 | 1.81E-09 | 6.83E-10 | 1.74E-10 | 1.47E-10 | 0.0 | 1.15E-12 | 7.31E-05 |

68-ERBIUM-169 CONTINUED

SOURCE ORGANS

| TARGET ORGANS | | OVARIES | PANCREAS | COR BONE | CAN BONE | R MARROW | Y MARROW | SKIN | SPLEEN | TESTES | THYROID | T BODY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PANCREAS | G | 1.99E-10 | 9.40E-08 | 3.61E-10 | 3.61E-10 | 8.03E-10 | 4.66E-10 | 1.76E-10 | 1.05E-08 | 1.60E-11 | 2.12E-11 | 9.56E-10 |
| | B | 0.0 | 5.11E-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 1.99E-10 | 5.11E-02 | 3.61E-10 | 3.61E-10 | 8.03E-10 | 4.66E-10 | 1.76E-10 | 1.05E-08 | 1.60E-11 | 2.12E-11 | 7.31E-05 |
| SKELETON BONE | G | 9.63E-10 | 8.70E-10 | 2.91E-09 | 2.91E-09 | 1.92E-09 | 2.20E-09 | 6.25E-10 | 7.03E-10 | 4.83E-10 | 5.87E-10 | 1.26E-09 |
| | B | 0.0 | 0.0 | 1.02E-03 | 8.27E-04 | 1.30E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 9.63E-10 | 8.70E-10 | 1.02E-03 | 8.27E-04 | 1.30E-04 | 2.20E-09 | 6.25E-10 | 7.03E-10 | 4.83E-10 | 5.87E-10 | 7.31E-05 |
| R MARROW | G | 3.60E-09 | 1.65E-09 | 2.66E-09 | 2.66E-09 | 6.50E-09 | 2.25E-09 | 5.88E-10 | 9.81E-10 | 3.71E-10 | 6.26E-10 | 1.49E-09 |
| | B | 0.0 | 0.0 | 6.05E-06 | 6.51E-04 | 2.96E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 3.60E-09 | 1.65E-09 | 6.05E-06 | 6.51E-04 | 2.96E-03 | 2.25E-09 | 5.88E-10 | 9.81E-10 | 3.71E-10 | 6.26E-10 | 7.31E-05 |
| Y MARROW | G | 1.33E-09 | 9.97E-10 | 2.52E-09 | 2.52E-09 | 2.46E-09 | 3.75E-09 | 6.76E-10 | 1.08E-09 | 1.66E-10 | 2.96E-10 | 1.19E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.41E-03 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 1.33E-09 | 9.97E-10 | 2.52E-09 | 2.52E-09 | 2.46E-09 | 3.41E-03 | 6.76E-10 | 1.08E-09 | 1.66E-10 | 2.96E-10 | 7.31E-05 |
| T E CL | G | 9.63E-10 | 8.70E-10 | 2.91E-09 | 2.91E-09 | 2.65E-09 | 2.41E-09 | 6.25E-10 | 7.03E-10 | 4.83E-10 | 5.87E-10 | 1.26E-09 |
| | B | 0.0 | 0.0 | 5.61E-04 | 1.15E-03 | 9.35E-04 | 8.52E-04 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 9.63E-10 | 8.70E-10 | 5.61E-04 | 1.15E-03 | 9.35E-04 | 8.52E-04 | 6.25E-10 | 7.03E-10 | 4.83E-10 | 5.87E-10 | 7.31E-05 |
| SKIN | G | 1.77E-10 | 1.77E-10 | 2.88E-10 | 2.88E-10 | 2.54E-10 | 3.30E-10 | 7.42E-10 | 2.19E-10 | 6.84E-10 | 3.55E-10 | 3.51E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.97E-03 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 1.77E-10 | 1.77E-10 | 2.88E-10 | 2.88E-10 | 2.54E-10 | 3.30E-10 | 1.97E-03 | 2.19E-10 | 6.84E-10 | 3.55E-10 | 7.31E-05 |
| SPLEEN | G | 1.90E-10 | 1.07E-08 | 2.77E-10 | 2.77E-10 | 4.25E-10 | 4.99E-10 | 2.61E-10 | 6.12E-08 | 6.09E-12 | 3.70E-11 | 8.21E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.84E-02 | 0.0 | 0.0 | 7.31E-05 |
| | T | 1.90E-10 | 1.07E-08 | 2.77E-10 | 2.77E-10 | 4.25E-10 | 4.99E-10 | 2.61E-10 | 2.84E-02 | 6.09E-12 | 3.70E-11 | 7.31E-05 |
| TESTES | G | 0.0 | 1.61E-11 | 2.79E-10 | 2.79E-10 | 2.08E-10 | 5.04E-10 | 4.35E-10 | 1.40E-11 | 1.53E-07 | 9.47E-14 | 5.82E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46E-01 | 0.0 | 7.31E-05 |
| | T | 0.0 | 1.61E-11 | 2.79E-10 | 2.79E-10 | 2.08E-10 | 5.04E-10 | 4.35E-10 | 1.40E-11 | 1.46E-01 | 9.47E-14 | 7.31E-05 |
| THYMUS | G | 7.12E-12 | 2.21E-10 | 2.48E-10 | 2.48E-10 | 4.06E-10 | 3.28E-10 | 2.71E-10 | 9.36E-11 | 5.58E-13 | 2.19E-09 | 8.35E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 7.12E-12 | 2.21E-10 | 2.48E-10 | 2.48E-10 | 4.06E-10 | 3.28E-10 | 2.71E-10 | 9.36E-11 | 5.58E-13 | 2.19E-09 | 7.31E-05 |
| THYROID | G | 1.15E-12 | 3.70E-11 | 3.43E-10 | 3.43E-10 | 2.90E-10 | 5.80E-10 | 3.32E-10 | 2.65E-11 | 9.48E-14 | 2.08E-07 | 5.30E-10 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.56E-01 | 7.31E-05 |
| | T | 1.15E-12 | 3.70E-11 | 3.43E-10 | 3.43E-10 | 2.90E-10 | 5.80E-10 | 3.32E-10 | 2.65E-11 | 9.48E-14 | 2.56E-01 | 7.31E-05 |
| UTERUS | G | 1.12E-08 | 1.94E-10 | 2.39E-10 | 2.39E-10 | 1.00E-09 | 3.22E-10 | 2.00E-10 | 1.60E-10 | 0.0 | 1.05E-12 | 1.03E-09 |
| | B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.31E-05 |
| | T | 1.12E-08 | 1.94E-10 | 2.39E-10 | 2.39E-10 | 1.00E-09 | 3.22E-10 | 2.00E-10 | 1.60E-10 | 0.0 | 1.05E-12 | 7.31E-05 |
| T BODY | G | 1.07E-09 | 1.05E-09 | 8.05E-10 | 8.05E-10 | 8.74E-10 | 7.02E-10 | 3.91E-10 | 8.81E-10 | 6.65E-10 | 6.41E-10 | 7.40E-10 |
| | B | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 |
| | T | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 | 7.31E-05 |

*"MUSCLE" VALUES MAY BE USED FOR "SEPARABLE FAT" WITH ADJUSTMENT (SEE TEXT)
PRINCIPLE REFERENCE-TABLE OF ISOTOPES, 6 TH ED.
DATE DECAY DATA REVIEWED-NOVEMBER 1972

Radionuclides for Which S Values Are Given in
This or Other Reports in the Series

| Atomic Number | Element | Mass Number | Listed in ORNL-5000 Part |
|---|---|---|---|
| 1 | H | 3 | 1 |
| 4 | Be | 7 | 1 |
| 6 | C | 14 | 1 |
| 7 | N | 13 | 1 |
| 8 | O | 15 | 1 |
| 9 | F | 18 | 1 |
| 11 | Na | 22 | 1 |
| 11 | Na | 24 | 1 |
| 14 | Si | 31 | 2 |
| 15 | P | 32 | 1 |
| 16 | S | 35 | 1 |
| 17 | Cl | 36 | 2 |
| 17 | Cl | 38 | 2 |
| 19 | K | 40 | 1 |
| 19 | K | 42 | 1 |
| 20 | Ca | 45 | 1 |
| 20 | Ca | 47 | 1 |
| 20 | Ca | 49 | 1 |
| 21 | Sc | 46 | 2 |
| 21 | Sc | 47 | 1 |
| 21 | Sc | 48 | 2 |
| 21 | Sc | 49 | 1 |
| 23 | V | 48 | 2 |
| 24 | Cr | 51 | 1 |
| 25 | Mn | 52m | 1 |
| 25 | Mn | 52 | 1 |
| 25 | Mn | 54 | 1 |
| 25 | Mn | 56 | 2 |
| 26 | Fe | 55 | 1 |
| 26 | Fe | 59 | 1 |
| 27 | Co | 57 | 2 |
| 27 | Co | 58m | 1 |
| 27 | Co | 58 | 1 |
| 27 | Co | 60 | 1 |
| 28 | Ni | 59 | 2 |
| 28 | Ni | 63 | 1 |
| 28 | Ni | 65 | 2 |
| 29 | Cu | 64 | 1 |
| 30 | Zn | 65 | 1 |
| 30 | Zn | 69m | 1 |
| 30 | Zn | 69 | 1 |
| 31 | Ga | 67 | 1 |
| 31 | Ga | 68 | 1 |
| 31 | Ga | 72 | 1 |
| 32 | Ge | 71 | 1 |
| 33 | As | 73 | 1 |
| 33 | As | 74 | 1 |
| 33 | As | 76 | 2 |
| 33 | As | 77 | 2 |
| (33 + (34 | As Se | 77) + 77m) | 2 |

Radionuclides for Which S Values Are Given in This or Other Reports in the Series (Cont'd)

| Atomic Number | Element | Mass Number | Listed in ORNL-5000 Part |
|---|---|---|---|
| 34 | Se | 75 | 1 |
| 34 | Se | 77m | 2 |
| 35 | Br | 82 | 1 |
| 37 | Rb | 86 | 1 |
| 37 | Rb | 87 | 2 |
| 38 | Sr | 85m | 1 |
| 38 | Sr | 85 | 1 |
| 38 | Sr | 89 | 1 |
| 38 | Sr | 90 | 1 |
| 38 | Sr | 91 | 1 |
| 38 | Sr | 92 | 1 |
| 39 | Y | 90m | 1 |
| 39 | Y | 90 | 1 |
| 39 | Y | 91m | 1 |
| 39 | Y | 91 | 1 |
| 39 | Y | 92 | 1 |
| 39 | Y | 93 | 1 |
| 40 | Zr | 93 | 2 |
| 40 | Zr | 95 | 1 |
| 40 | Zr | 97 | 1 |
| 41 | Nb | 93m | 2 |
| 41 | Nb | 95m | 1 |
| 41 | Nb | 95 | 1 |
| 41 | Nb | 97m | 1 |
| 41 | Nb | 97 | 1 |

| Atomic Number | Element | Mass Number | Listed in ORNL-5000 Part |
|---|---|---|---|
| 42 | Mo | 99 | 1 |
| 43 | Tc | 96m | 2 |
| 43 | Tc | 96 | 2 |
| 43 | Tc | 97m | 2 |
| 43 | Tc | 97 | 2 |
| 43 | Tc | 99m | 1 |
| 43 | Tc | 99 | 2 |
| 44 | Ru | 97 | 2 |
| 44 | Ru | 103 | 2 |
| 44 | Ru | 105 | 2 |
| (44 + (45 | Ru Rh | 105) + 105m) | 2 |
| 44 | Ru | 106 | 2 |
| (44 + (45 | Ru Rh | 106) + 106) | 2 |
| 45 | Rh | 103m | 2 |
| 45 | Rh | 105m | 2 |
| 45 | Rh | 105 | 2 |
| 45 | Rh | 106 | 2 |
| 46 | Pd | 103 | 2 |
| 46 | Pd | 109 | 2 |
| (46 + (47 | Pd Ag | 109) + 109m) | 2 |
| 47 | Ag | 109m | 2 |
| 47 | Ag | 111 | 2 |

Radionuclides for Which S Values Are Given in This or Other Reports in the Series (Cont'd)

| Atomic Number | Element | Mass Number | Listed in ORNL-5000 Part |
|---|---|---|---|
| 48 | Cd | 109 | 2 |
| (48 + (47 | Cd Ag | 109) + 109m) | 2 |
| 48 | Cd | 115m | 2 |
| 48 | Cd | 115 | 2 |
| 49 | In | 111 | 2 |
| 49 | In | 113m | 2 |
| 49 | In | 114m | 2 |
| (49 + (49 | In In | 114m) + 114) | 2 |
| 49 | In | 114 | 2 |
| 49 | In | 115m | 2 |
| 49 | In | 115 | 2 |
| 50 | Sn | 113 | 2 |
| 51 | Sb | 122 | 2 |
| 51 | Sb | 124 | 2 |
| 52 | Te | 125m | 2 |
| 52 | Te | 127m | 2 |
| 52 | Te | 127 | 2 |
| 52 | Te | 129m | 2 |
| 52 | Te | 129 | 2 |
| 52 | Te | 131m | 2 |
| 52 | Te | 131 | 2 |
| 52 | Te | 132 | 2 |
| 53 | I | 123 | 2 |
| 53 | I | 124 | 2 |
| 53 | I | 125 | 2 |
| 53 | I | 126 | 2 |
| 53 | I | 129 | 2 |
| 53 | I | 130 | 2 |
| 53 | I | 131 | 2 |
| 53 | I | 132 | 2 |
| 53 | I | 133 | 2 |
| 53 | I | 134 | 2 |
| 53 | I | 135 | 2 |
| 55 | Cs | 129 | 2 |
| 55 | Cs | 131 | 2 |
| 55 | Cs | 134m | 2 |
| 55 | Cs | 134 | 2 |
| 55 | Cs | 135 | 2 |
| 55 | Cs | 136 | 2 |
| 55 | Cs | 137 | 2 |
| (55 + (56 | Cs Ba | 137) + 137m) | 2 |
| 56 | Ba | 131 | 2 |
| 56 | Ba | 133 | 2 |
| 56 | Ba | 135m | 2 |
| 56 | Ba | 137m | 2 |
| 56 | Ba | 140 | 2 |
| 57 | La | 140 | 2 |

Radionuclides for Which S Values Are Given in This or Other Reports in the Series (Cont'd)

| Atomic Number | Element | Mass Number | Listed in ORNL-5000 Part |
|---|---|---|---|
| 58 | Ce | 139 | 2 |
| 58 | Ce | 141 | 2 |
| 58 | Ce | 143 | 2 |
| 58 | Ce | 144 | 2 |
| 59 | Pr | 142 | 2 |
| 59 | Pr | 143 | 2 |
| 59 | Pr | 144 | 2 |
| 60 | Nd | 147 | 2 |
| 60 | Nd | 149 | 2 |
| 61 | Pm | 147 | 2 |
| 61 | Pm | 149 | 2 |
| 62 | Sm | 151 | 2 |
| 62 | Sm | 153 | 2 |
| 63 | Eu | 154 | 2 |
| 63 | Eu | 155 | 2 |
| 64 | Gd | 153 | 2 |
| 64 | Gd | 159 | 2 |
| 65 | Tb | 157 | 2 |
| 65 | Tb | 160 | 2 |
| 66 | Dy | 157 | 2 |
| 66 | Dy | 166 | 2 |
| 67 | Ho | 166 | 2 |
| 68 | Er | 169 | 2 |

U.S. GOVERNMENT PRINTING OFFICE: 1975-748-189/119

ORNL-5000, Part 2
UC-41 - Health and Safety

## INTERNAL DISTRIBUTION

1. D. E. Arthur
2. D. D. Ausmus
3. J. A. Auxier
4. S. R. Bernard
5. R. D. Birkhoff
6. T. J. Burnett
7. H. M. Butler
8. R. O. Chester
9. R. L. Clark
10. R. E. Coleman
11. K. E. Cowser
12. F. L. Culler
13. D. M. Davis
14-38. M. R. Ford
39. C. A. Golden
40. C. R. Guinn
41. E. D. Gupton
42. F. F. Haywood
43. L. C. Henley
44. R. F. Hibbs
45. C. F. Holoway
46. D. G. Jacobs
47. L. C. Johnson
48. T. D. Jones
49. R. B. Malcolm
50. W. T. Martin
51. C. H. Miller
52. J. R. Muir
53. D. G. Noe
54. W. W. Parkinson
55. H. Postma
56-80. J. W. Poston
81. C. R. Richmond
82. P. S. Rohwer
83. E. L. Sharp
84. R. L. Shoup
85. M. J. Skinner
86. A. J. Smith
87-111. W. S. Snyder
112. E. G. Struxness
113. J. E. Turner
114. B. T. Walters
115. A. D. Warden
116. G. G. Warner
117. S. B. Watson
118. J. A. Worth
119-121. Central Research Library
122. ORNL-Y-12 Technical Library
123-157. Laboratory Records Dept.
158. Laboratory Records, ORNL, R. C.

## EXTERNAL DISTRIBUTION

159. S. J. Adelstein, Shields Warren Radiology Laboratory, 50 Binney Street, Boston, MA 02115.
160. R. E. Alexander, Office of Regulation, NRC, Washington DC 20545.
161. A. Andrasi, Health Physics Department, Hungarian Academy of Sciences, Central Research Institute for Physics, H-1525 Budapest 114 P.O.B. 49.
162. M. J. Berger, U.S. Department of Commerce, National Bureau of Standards, Washington, DC 20234.
163. H. W. Berk, Department of Nuclear Engineering, University of Virginia, Charlottesville, VA 22901.
164. D. E. Bernhardt, Environmental Engineer, USEPA, National Environmental Research Center, 944 E. Harmon, P. O. Box 15027, Las Vegas, NV 89114.

165. M. Blau, Roswell Park Memorial Institute, 666 Elm Street, Buffalo, NY 14203.
166. B. B. Boecker, Inhalation Toxicology Research Institute, Lovelace Foundation for Medical Education and Research, Building 9200, Area Y, Kirtland AFB, E., Albuquerque, NM 87115.
167. A. B. Brill, Vanderbilt University Medical School, Nashville, TN 37203.
168. G. L. Brownell, Physics Research Laboratory, Massachusetts General Hospital, Boston, MA 02114.
169. R. L. Butenhoff, DBER, USERDA, Washington, DC 20545.
170. G. Butler, Atomic Energy of Canada, Ltd., Chalk River Laboratories, Chalk River, Ontario KOJ 1JO, Canada.
171. R. J. Cloutier, ORAU, Oak Ridge, TN 37830.
172. R. D. Cooper, DBER, USERDA, Washington, DC 20545.
173. George Cowper, Atomic Energy of Canada, Ltd., Chalk River Laboratories, Chalk River, Ontario KOJ 1JO, Canada.
174. F. T. Cross, Radiological Physics Section, Battelle Northwest, P. O. Box 999, Richland, WA 99352.
175. P. N. Dean, Biophysics Section, University of California, LASL, P. O. Box 1663, Los Alamos, NM 87544.
176. L. T. Dillman, Department of Physics, Ohio Wesleyan University, Delaware, OH 43015.
177. C. W. Edington, DBER, USERDA, Washington, DC 20545.
178. C. C. Gamertsfelder, Office of Regulation, Nuclear Regulatory Com. Washington, DC 20545.
179. S. M. Garry, TVA, River Oaks Building, Muscle Shoals, AL 35660.
180. M. Goldman, University of California - Davis, Radiobiology Laboratory, Davis, CA 95616.
181. R. J. Hart, USERDA, ORO, Oak Ridge, TN 37830.
182. J. B. Hursh, Atomic Energy Project, University of Rochester, Box 287-Station 3, Rochester, NY 14620.
183. R. E. Johnston, Division of Nuclear Medicine, University of North Carolina, Chapel Hill, NC 27514.
184. J. A. Lenhard, USERDA, ORO, Oak Ridge, TN 37830.
185. J. L. Liverman, DBER, USERDA, Washington, DC 20545.
186. Robert Loevinger, Radiation Physics Building, National Bureau of Standards, Washington, DC 20234.
187. C. W. Mays, University of Utah, College of Medicine, Salt Lake City, UT 84112.
188. J. G. McAfee, Division of Nuclear Medicine, Upstate Medical Center, 750 East Adams Street, Syracuse, NY 13210.
189. R. O. McClellan, Inhalation Toxicology Research Institute, Lovelace Foundation, 5200 Gibson Blvd., S.E., Albuquerque, NM 87106.
190. Dr. Markovic, Boris Kidric Institute of Nuclear Sciences - Vinca, Radiation Protection Laboratory, 11001 Beograd, Yugoslavia.
191. T. T. Mercer, Department of Radiation Biology and Biophysics, University of Rochester School of Medicine and Dentistry, Rochester, NY 14620.

192. A. A. Moghissi, Bioengineering Center, Georgia Institute of Technology, Atlanta, GA 30332.
193. K. Z. Morgan, School of Nuclear Engineering, Georgia Institute of Technology, Atlanta, GA 30332.
194. P. E. Morrow, Department of Radiation Biology and Biophysics, University of Rochester, Rochester, NY 14620.
195. W. R. Ney, National Council on Radiation Protection and Measurements, 7910 Woodmont Avenue, Suite 1016, Washington, DC 20014.
196. C. C. Palmiter, Office of Radiation Programs, Environmental Protection Agency, Fourth and M Streets, S.W., Washington, DC 20460.
197. Peter Paras, Director, Division of Radioactive Materials and Nuclear Medicine, Food and Drug Administration, 1901 Chapman Avenue, Rockville, MD 20852.
198. W. A. Phillips, Biomedical Division, Lawrence Livermore Laboratory, University of California, P. O. Box 808, Livermore, CA 94550.
199. J. S. Robertson, Nuclear Medicine, Mayo Clinic, Rochester, Minnesota 55901.
200. J. L. Russell, U.S. Environmental Protection Agency, Washington, DC 20460.
201. L. A. Slaback, Jr., Radiation Safety Department, Defense Nuclear Agency, Armed Forces Radiobiology Research Institute, Bethesda, MD 20014.
202. E. M. Smith, P. O. Box 128, Walland, TN 37886.
203. Gian Sordi, Instituto de Energia Atomica, Cidade Universitaria, Cx. Postal 11.049 - Pinheiros, Sao Paulo, Brazil.
204. L. V. Spencer, U. S. Department of Commerce, National Bureau of Standards, Washington, DC 20234.
205. Betsy J. Stover, Department of Pharmacology, Swing Building, University of North Carolina, Chapel Hill, NC 27514.
206. R. C. Thompson, Biology Department, Battelle Northwest, P. O. Box 999, Richland, WA 99352.
207. W. T. Thornton, USERDA, ORO, Oak Ridge, TN 37830.
208. J. Vennart, MRC Radiobiology Unit, Harwell, Didcot, Berks. OX11, ORD England.
209. Dr. Milovan Vidmar, Boris Kidric Institute of Nuclear Sciences - Vinca, Radiation Protection Laboratory, 11001 Beograd, Yugoslavia.
210. J. C. Villforth, Bureau of Radiological Health, 12720 Twinbrook Parkway, Rockville, MD 20852.
211. C. L. Wakamo, Environmental Protection Agency, Atlanta, GA 30309.
212. J. E. Watson, University of North Carolina, Chapel Hill, NC 27514.
213. W. H. Wilkie, TVA, River Oaks Building, Muscle Shoals, AL 35660.
214. R. W. Wood, DBER, USERDA, Washington, DC 20545.

215-459. Given distribution as shown in TID-4500 under Health and Safety category (25 copies - NTIS).